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Selected Data

on

Federal Funds for

Research and Development:

Fiscal Years 1991, 1992, and 1993

Prepared by

Science and Engineering Activities Program
Division of Science Resources Studies
National Science Foundation

NSF 93-319

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Project Officer: Mary V. Burke

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Contributors

Data collection, preparation, and tabulation were performed by Quantum Research Corporation for the National Science Foundation. The Project Officer of this report was Mary V. Burke.

Note to Readers

The data presented in this summary are being released in advance of the publication *Federal Funds for Research and Development, Volume XLI* (Detailed Statistical Tables), which will be available later in 1993. That publication will contain more comprehensive statistical tables and complete survey technical notes.

The summary data in the following tables include research and development (R&D) funding levels as reported by 33 Federal agencies and their subdivisions—107 individual respondents—in March through December 1992. All agencies with R&D programs are covered.

The amounts reported as obligations or outlays for each year of this survey include the obligations entered into or the outlays incurred (respectively) in that year, regardless of when the funds may have been authorized, appropriated, or received by an agency, and regardless of whether the funds are identified in an agency's budget specifically for research, development, or R&D plant.

In the tables, data for fiscal year (FY) 1991 are actual because they represent completed transactions. Data for FY 1992 and FY 1993 are estimated because they do not represent final actions. The timing of the Federal Funds Survey coincided with the third quarter of FY 1992; therefore, the amounts reported for FY 1992 reflect congressional appropriation actions as of that period, as well as apportionment and reprogramming decisions as of that time. Data for FY 1993 represent administration budget proposals that had not been acted on. The effects of later authorization, appropriation, deferral, and apportionment actions will be reflected in later surveys in this series.

Obligations represent the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required.

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Table 1. Summary of Federal funds for research and development and for R&D plant: fiscal years 1991, 1992, and 1993

[In millions of dollars and percentages]

Item	1991	Estimates			
		1992	% Change 1991-92	1993	% Change 1992-93
Total outlays for research and development and for R&D plant	64,292.3	70,843.0	10.2%	74,052.9	4.5%
Research and development	61,130.4	66,314.4	8.5	69,107.5	4.2
R&D plant	3,162.0	4,528.6	43.2	4,945.4	9.2
Total obligations for research and development and for R&D plant	64,990.5	75,585.6	16.3	75,045.2	-.7
Research and development, total	61,295.2	70,367.8	14.8	69,754.4	-.9
By performers:					
Intramural 1/	15,238.1	16,634.6	9.2	16,643.1	.1
Industrial firms	26,420.6	32,155.6	21.7	31,202.7	-3.0
FFRDCs administered by industrial firms	2,068.3	2,177.5	5.3	2,142.3	-1.6
Universities and colleges	10,168.5	11,297.7	11.1	11,763.5	4.1
FFRDCs administered by universities and colleges	3,603.8	3,831.4	6.3	3,702.8	-3.4
Other nonprofit institutions	2,637.4	2,944.2	11.6	2,956.7	.4
FFRDCs administered by nonprofit institutions	679.4	712.9	4.9	721.0	1.1
State and local governments	215.1	274.9	27.8	286.4	4.2
Foreign	263.9	339.1	28.5	336.0	-.9
Research, total	23,968.4	26,195.4	9.3	27,899.3	6.5
By performers:					
Intramural 1/	6,539.3	7,156.5	9.4	7,840.7	9.6
Industrial firms	3,406.5	3,802.8	11.6	4,058.4	6.7
FFRDCs administered by industrial firms	624.6	689.2	10.3	678.1	-1.6
Universities and colleges	8,867.5	9,624.4	8.5	10,252.5	6.5
FFRDCs administered by universities and colleges	2,160.9	2,318.5	7.3	2,384.5	2.8
Other nonprofit institutions	1,925.9	2,124.7	10.3	2,204.0	3.7
FFRDCs administered by nonprofit institutions	170.9	173.9	1.7	179.9	3.4
State and local governments	129.3	162.6	25.8	153.8	-5.4
Foreign	143.4	142.8	-.4	147.5	3.3
By fields of science:					
Life sciences	9,622.0	10,588.8	10.0	11,338.2	7.1
Psychology	482.4	521.3	8.1	570.6	9.5
Physical sciences	4,235.3	4,533.7	7.0	4,789.9	5.7
Environmental sciences	2,149.8	2,359.8	9.8	2,503.2	6.1
Mathematics and computer sciences	903.7	1,153.9	27.7	1,212.3	5.1
Engineering	4,944.5	5,487.7	11.0	5,935.3	8.2
Social sciences	727.3	790.2	8.6	717.7	-9.2
Other sciences, n.e.c.	903.4	760.2	-15.9	832.1	9.5
Basic research, total	12,170.8	13,254.1	8.9	14,184.3	7.0
By performers:					
Intramural 1/	2,446.5	2,705.3	10.6	2,892.9	6.9
Industrial firms	949.9	1,040.6	9.5	1,103.6	6.1
FFRDCs administered by industrial firms	209.1	221.4	5.9	227.5	2.7
Universities and colleges	6,064.5	6,602.7	8.9	7,069.6	7.1
FFRDCs administered by universities and colleges	1,306.2	1,387.1	6.2	1,468.5	5.9
Other nonprofit institutions	1,015.5	1,120.0	10.3	1,228.3	9.7
FFRDCs administered by nonprofit institutions	80.8	69.7	-13.8	79.1	13.5
State and local governments	49.1	55.7	13.3	59.4	6.6
Foreign	49.1	51.6	5.1	55.5	7.6
By fields of science:					
Life sciences	5,433.6	6,145.5	13.1	6,621.6	7.7
Psychology	225.5	248.8	10.3	264.9	6.5
Physical sciences	2,881.5	3,062.8	6.3	3,248.8	6.1
Environmental sciences	1,263.5	1,386.7	9.7	1,510.3	8.9
Mathematics and computer sciences	426.1	513.3	20.5	562.9	9.7
Engineering	1,233.7	1,396.9	13.2	1,430.8	2.4
Social sciences	161.3	161.4	.1	172.0	6.5
Other sciences, n.e.c.	545.6	338.7	-37.9	373.1	10.2

See explanatory information, if any, and SOURCE at end of table.

Table 1. Summary of Federal funds for research and development and for R&D plant: fiscal years 1991, 1992, and 1993

[In millions of dollars and percentages]

Item	1991	Estimates			
		1992	% Change 1991-92	1993	% Change 1992-93
Applied research, total	11,797.6	12,941.4	9.7%	13,715.0	6.0%
By performers:					
Intramural 1/	4,092.8	4,451.2	8.8	4,947.8	11.2
Industrial firms	2,456.6	2,762.2	12.4	2,954.8	7.0
FFRDCs administered by industrial firms	415.5	467.8	12.6	450.6	-3.7
Universities and colleges	2,803.0	3,021.7	7.8	3,182.9	5.3
FFRDCs administered by universities and colleges	854.7	931.4	9.0	916.0	-1.7
Other nonprofit institutions	910.4	1,004.6	10.3	975.7	-2.9
FFRDCs administered by nonprofit institutions	90.1	104.2	15.7	100.8	-3.3
State and local governments	80.2	106.9	33.4	94.4	-11.7
Foreign	94.3	91.2	-3.2	92.0	.8
By fields of science:					
Life sciences	4,188.4	4,443.4	6.1	4,716.6	6.2
Psychology	256.9	272.5	6.1	305.7	12.2
Physical sciences	1,353.9	1,470.9	8.6	1,541.1	4.8
Environmental sciences	886.3	973.0	9.8	993.0	2.0
Mathematics and computer sciences	477.6	640.6	34.1	649.4	1.4
Engineering	3,710.8	4,090.8	10.2	4,504.5	10.1
Social sciences	566.0	628.8	11.1	545.7	-13.2
Other sciences, n.e.c.	357.8	421.5	17.8	459.0	8.9
Development, total	37,326.8	44,172.4	18.3	41,855.1	-5.2
By performers:					
Intramural 1/	8,698.8	9,478.1	9.0	8,802.4	-7.1
Industrial firms	23,014.1	28,352.8	23.2	27,144.3	-4.3
FFRDCs administered by industrial firms	1,443.7	1,488.2	3.1	1,464.2	-1.6
Universities and colleges	1,301.0	1,673.3	28.6	1,511.0	-9.7
FFRDCs administered by universities and colleges	1,442.9	1,512.9	4.9	1,318.2	-12.9
Other nonprofit institutions	711.5	819.5	15.2	752.7	-8.1
FFRDCs administered by nonprofit institutions	508.5	539.0	6.0	541.1	.4
State and local governments	85.8	112.3	30.9	132.6	18.1
Foreign	120.5	196.3	62.8	188.6	-3.9
R&D plant, total	3,695.4	5,217.7	41.2	5,290.7	1.4
By performers supported:					
Intramural	461.1	777.5	68.6	457.7	-41.1
Industrial firms	1,889.2	2,803.5	48.4	3,052.8	8.9
FFRDCs administered by industrial firms	279.6	270.9	-3.1	235.5	-13.0
Universities and colleges	253.3	270.6	6.8	225.8	-16.6
FFRDCs administered by universities and colleges	624.6	668.8	7.1	696.8	4.2
Other nonprofit institutions	154.6	394.9	155.4	557.4	41.1
FFRDCs administered by nonprofit institutions	19.7	27.2	38.5	28.3	3.8
State and local governments	.6	.4	-27.5	.4	.0
Foreign	12.8	3.9	-69.8	36.1	834.0

1/ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1991, 1992, and 1993

Table 2. Federal funds for research, development, and R&D plant, by agency: fiscal years 1991, 1992, and 1993

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	1991	Estimates		1991	Estimates	
		1992	1993		1992	1993
Total, all agencies	64,990.5	75,585.6	75,045.2	64,292.3	70,843.0	74,052.9
Departments:						
Department of Agriculture, total	1,381.3	1,511.7	1,440.9	1,269.4	1,393.4	1,430.9
Agricultural Cooperative Svc	2.8	3.5	3.1	2.8	3.5	3.1
Agricultural Marketing Svc 1/	4.2	4.7	4.3	3.7	4.7	4.3
Agricultural Research Svc	655.7	717.0	753.1	622.9	679.7	721.8
Animal & Plant Health Inspection Svc	15.7	19.2	16.7	15.7	19.2	16.7
Cooperative State Research Svc	438.3	499.9	404.3	395.6	428.1	433.8
Economic Research Svc	54.4	58.7	60.4	53.0	57.7	58.3
Federal Grain Inspection Svc	.7	1.2	1.3	.7	1.2	1.3
Forest Svc	193.1	191.7	182.3	159.8	182.4	174.1
Human Nutrition Information Svc	9.9	10.8	10.8	8.9	9.9	11.5
Nat'l Agricultural Statistics Svc	3.2	3.4	3.5	3.2	3.4	3.4
Office of International Cooperation and Development	3.1	1.5	1.3	3.1	3.6	2.6
Department of Commerce, total	505.4	645.2	648.1	500.7	581.5	619.9
Bureau of the Census	6.6	6.1	5.9	6.6	6.1	5.9
Economic Development Admin	1.4	.5	-	1.0	1.2	.6
Nat'l Institute of Standards & Tech	148.4	235.8	253.7	144.1	190.3	221.1
Nat'l Oceanic & Atmospheric Admin	345.3	398.9	382.2	345.3	380.0	386.1
Nat'l Telecommunications & Info Admin	3.6	4.0	6.3	3.6	4.0	6.3
Office of the Secretary	-	-	-	.0	.0	-
Department of Defense, total	33,387.9	40,249.8	38,619.1	34,049.4	37,538.1	39,330.0
Department of the Army	6,172.5	6,660.2	5,758.3	5,724.5	6,689.2	6,172.3
Military functions	6,130.0	6,604.0	5,686.0	5,682.0	6,633.0	6,100.0
Civil functions (Corps of Engineers)	42.5	56.2	72.3	42.5	56.2	72.3
Department of the Navy	7,860.0	9,335.0	8,777.0	7,902.0	8,674.0	8,908.0
Department of the Air Force	11,917.3	15,230.8	14,903.8	13,645.9	14,365.0	15,498.2
Defense agencies	7,200.9	8,814.9	8,565.3	6,685.3	7,748.4	8,340.2
Test & Evaluation, Deputy Under Secretary Defense	223.7	196.0	287.3	69.4	51.1	72.0
Director, Operational Test & Evaluation	13.6	12.8	13.0	22.3	10.3	10.8
Health Affairs, Assistant Secretary of Defense for	-	-	314.4	-	-	328.5
Department of Education	175.2	201.7	212.5	117.2	133.7	132.9
Department of Energy	7,203.2	8,354.5	8,396.1	6,827.1	7,897.9	7,835.3
Department of Health and Human Svcs, total	9,842.3	10,985.9	11,243.1	9,822.1	10,694.8	11,238.4
Admin on Aging 2/	20.6	20.6	19.6	20.6	20.6	19.6
Admin for Children and Families 2/	129.0	155.3	142.2	110.2	129.7	140.4
Agency for Health Care Policy & Research 3/	101.1	106.3	73.9	11.9	27.0	27.8
Alcohol, Drug Abuse, & Mental Health Admin	1,460.6	1,583.2	1,680.4	1,460.6	1,583.2	1,680.4
Centers for Disease Control	113.4	117.4	118.3	113.4	117.4	118.3
Food & Drug Admin	143.5	160.2	170.2	143.5	160.2	170.2
Health Care Financing Admin	69.1	78.4	36.0	21.7	48.4	57.1
Health Resources and Svcs Admin	11.0	12.0	12.1	11.0	12.0	12.1
Nat'l Institutes of Health	7,763.4	8,707.7	8,960.6	7,890.4	8,538.9	8,972.6
Office of Assistant Secretary for Health	10.0	8.9	4.4	18.2	21.5	14.5
Office of the Secretary	8.8	5.0	5.2	8.8	5.0	5.2
Social Security Admin	11.9	30.8	20.2	11.9	30.8	20.2
Department of Housing and Urban Development	27.8	28.5	36.6	18.1	24.0	29.9

See explanatory information, if any, and SOURCE at end of table.

Table 2. Federal funds for research, development, and R&D plant, by agency: fiscal years 1991, 1992, and 1993

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	1991	Estimates		1991	Estimates	
		1992	1993		1992	1993
Department of the Interior, total	615.1	631.8	549.2	556.2	651.5	556.0
Bureau of Land Management	8.8	9.3	16.2	8.8	9.3	16.2
Bureau of Mines	108.2	112.0	75.3	97.7	117.0	88.9
Bureau of Reclamation	8.7	13.2	9.3	8.7	12.2	9.3
Geological Survey	359.8	366.8	329.2	319.5	391.4	330.5
Minerals Management Svc	2.9	4.7	4.7	2.7	4.0	4.6
Nat'l Park Svc	27.5	29.0	29.5	27.5	29.0	29.5
Office of the Secretary	.6	.9	2.8	.6	.9	2.8
Office of Surface Mining Reclamation and Enforcement	1.0	.3	.4	1.0	.3	.4
United States Fish and Wildlife Svc	97.6	95.7	81.8	89.7	87.4	73.8
Department of Justice, total	48.9	50.4	55.4	40.4	41.5	56.0
Bureau of Prisons 4/	5.2	5.3	5.6	5.7	6.2	6.2
Drug Enforcement Admin	2.7	1.8	1.8	2.8	1.9	1.8
Federal Bureau of Investigation	10.8	11.4	24.3	10.8	11.4	24.3
Immigration and Naturalization Svc	.4	.4	.4	.4	.4	.4
Office of Justice Programs	29.8	31.4	23.3	20.7	21.6	23.3
Department of Labor, total	44.0	39.0	44.1	45.6	40.8	50.3
Bureau of Labor Statistics	7.5	7.6	8.4	7.5	7.6	8.4
Employment and Training Admin	22.1	16.6	16.8	23.7	18.4	23.0
Occupational Safety and Health Admin	2.6	3.2	3.2	2.6	3.2	3.2
Office of the Secretary	8.7	8.6	12.8	8.7	8.6	12.8
Pension Benefit Guaranty Corporation	.5	.6	.5	.5	.6	.5
Pension & Welfare Benefits Admin	2.5	2.5	2.4	2.5	2.5	2.4
Department of State	5.9	5.3	5.3	5.9	5.3	5.3
Department of Transportation, total	398.3	489.6	517.3	361.0	427.2	473.3
Coast Guard	25.9	29.2	29.9	14.9	25.8	31.5
Federal Aviation Admin	236.4	275.6	277.1	216.0	267.2	277.4
Federal Highway Admin	86.9	117.9	134.6	86.1	72.1	100.7
Federal Railroad Admin	17.6	30.3	25.8	14.3	29.0	25.2
Maritime Admin	1.7	1.8	1.7	1.5	1.7	1.7
Nat'l Highway Traffic Safety Admin	21.4	25.8	35.8	19.2	23.2	26.7
Office of the Secretary	4.3	5.1	4.6	4.7	3.4	4.5
Research and Special Programs Admin	2.4	2.5	2.7	2.2	2.4	2.4
Federal Transit Admin 5/	1.7	1.5	5.1	2.1	2.4	3.2
Department of the Treasury, total	31.0	31.4	34.7	30.4	30.8	34.2
Bureau of Engraving and Printing	3.5	4.2	1.3	3.5	4.2	1.3
Financial Crimes Enforcement Network	2.3	2.0	2.1	1.8	2.0	2.1
Internal Revenue Svc	17.9	17.9	17.9	17.3	17.3	17.3
Office of Protective Research	.4	.6	.6	.4	.6	.6
Office of Thrift Supervision 6/	3.0	3.0	3.2	3.0	3.0	3.2
United States Customs Svc	3.8	3.2	9.0	3.8	3.2	9.0
United States Mint	.1	.6	.6	.5	.5	.6
Department of Veterans Affairs	220.0	247.7	243.9	221.6	229.7	243.3

See explanatory information, if any, and SOURCE at end of table.

Table 2. Federal funds for research, development, and R&D plant, by agency: fiscal years 1991, 1992, and 1993

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	1991	Estimates		1991	Estimates	
		1992	1993		1992	1993
Other agencies:						
Advisory Commission on Intergovernmental Relations	1.7	1.5	1.5	1.2	1.3	1.4
Agency for International Development	392.8	375.8	389.2	357.8	344.5	439.2
Appalachian Regional Commission	.7	1.9	.9	.7	1.9	.9
Consumer Product Safety Commission	1.3	1.2	1.5	1.3	1.2	1.5
Environmental Protection Agency	432.6	491.5	519.7	400.1	453.9	495.2
Federal Communications Commission	1.4	1.6	1.6	1.4	1.6	1.6
Federal Trade Commission	1.0	.5	.5	1.0	.5	.5
General Services Admin	22.6	6.5	-	3.6	14.0	20.5
International Trade Commission	9.9	11.7	12.5	9.9	11.7	12.5
Library of Congress	9.0	10.6	10.5	8.6	10.4	10.3
Nat'l Aeronautics and Space Admin	8,003.8	8,849.2	9,352.1	7,675.0	8,050.0	8,518.6
Nat'l Archives & Records Admin	.7	.3	.3	.7	.3	.3
Nat'l Science Foundation	1,944.8	2,037.0	2,398.3	1,687.1	1,948.3	2,210.6
Nuclear Regulatory Commission	108.8	118.9	127.7	107.5	116.4	125.5
Smithsonian Institution	99.5	109.2	124.6	98.5	100.7	120.8
Tennessee Valley Authority	73.1	92.7	56.1	72.3	93.4	56.1
United States Arms Control and Disarmament Agency	.4	2.1	1.0	.4	2.1	1.0
United States Information Agency	.1	1.0	.6	.2	.7	.6

1/ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

2/ In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging.

3/ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.

4/ Formerly listed as Federal Prison System

5/ Name changed from Urban Mass Transit Administration on December 18, 1991

6/ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

NOTE: Because of rounding, detail may not add to totals.

KEY: - = amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1991, 1992, and 1993

Table 3. Federal funds for total research and development, by agency: fiscal years 1991, 1992, and 1993

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	1991	Estimates		1991	Estimates	
		1992	1993		1992	1993
Total, all agencies	61,295.2	70,367.8	69,754.4	61,130.4	66,314.4	69,107.5
Departments:						
Department of Agriculture, total	1,236.6	1,336.5	1,337.2	1,189.4	1,290.8	1,295.9
Agricultural Cooperative Svc	2.8	3.5	3.1	2.6	3.5	3.1
Agricultural Marketing Svc 1/	4.2	4.7	4.3	3.7	4.7	4.3
Agricultural Research Svc	591.0	628.4	654.3	573.5	611.4	633.7
Animal & Plant Health Inspection Svc	15.7	16.7	16.7	15.7	16.7	16.7
Cooperative State Research Svc	376.8	419.4	404.3	380.1	403.6	391.7
Economic Research Svc	54.4	58.7	60.4	53.0	57.7	58.3
Federal Grain Inspection Svc	.7	1.2	1.3	.7	1.2	1.3
Forest Svc	174.7	188.1	177.3	144.7	175.2	169.4
Human Nutrition Information Svc	9.9	10.8	10.8	8.9	9.9	11.5
Nat'l Agricultural Statistics Svc	3.2	3.4	3.5	3.2	3.4	3.4
Office of International Cooperation and Development	3.1	1.5	1.3	3.1	3.6	2.6
Department of Commerce, total	489.6	620.7	622.6	485.1	560.8	598.1
Bureau of the Census	6.6	6.1	5.9	6.6	6.1	5.9
Economic Development Admin	1.4	.5	-	1.0	1.2	.6
Nat'l Institute of Standards & Tech	140.0	220.9	231.1	135.9	174.0	203.6
Nat'l Oceanic & Atmospheric Admin	338.0	389.3	379.4	338.0	375.6	381.8
Nat'l Telecommunications & Info Admin	3.6	4.0	6.3	3.6	4.0	6.3
Office of the Secretary	-	-	-	.0	.0	-
Department of Defense, total	32,134.8	38,309.2	36,155.2	33,013.5	35,768.9	37,137.1
Department of the Army	6,081.5	6,631.2	5,737.3	5,659.5	6,658.2	6,149.3
Military functions	6,039.0	6,575.0	5,665.0	5,617.0	6,602.0	6,077.0
Civil functions (Corps of Engineers)	42.5	56.2	72.3	42.5	56.2	72.3
Department of the Navy	7,806.0	9,199.0	8,754.0	7,815.0	8,564.0	8,843.0
Department of the Air Force	10,937.5	13,588.5	12,652.4	12,825.6	12,873.0	13,538.2
Defense agencies	7,072.5	8,681.7	8,396.7	6,621.8	7,612.3	8,195.3
Test & Evaluation, Deputy Under Secretary Defense	223.7	196.0	287.3	69.4	51.1	72.0
Director, Operational Test & Evaluation	13.6	12.8	13.0	22.3	10.3	10.8
Health Affairs, Assistant Secretary of Defense for	-	-	314.4	-	-	328.5
Department of Education	171.0	199.6	210.4	114.5	129.5	128.3
Department of Energy	5,983.1	6,765.8	6,731.4	5,727.2	6,359.1	6,386.5
Department of Health and Human Svcs, total	9,756.0	10,677.5	11,142.7	9,627.3	10,555.2	11,125.9
Admin on Aging 1/	20.6	20.6	19.6	20.6	20.6	19.6
Admin for Children and Families 2/	129.0	155.3	142.2	110.2	129.7	140.4
Agency for Health Care Policy & Research 3/	101.1	106.3	73.9	11.9	27.0	27.8
Alcohol, Drug Abuse, & Mental Health Admin	1,460.6	1,583.2	1,680.4	1,460.6	1,583.2	1,680.4
Centers for Disease Control	113.4	117.4	118.3	113.4	117.4	118.3
Food & Drug Admin	125.0	137.7	143.3	125.0	137.7	143.3
Health Care Financing Admin	69.1	78.4	36.0	21.7	48.4	57.1
Health Resources and Svcs Admin	11.0	11.2	11.1	11.0	11.2	11.1
Nat'l Institutes of Health	7,695.5	8,422.7	8,888.1	7,714.0	8,422.7	8,888.1
Office of Assistant Secretary for Health	10.0	8.9	4.4	18.2	21.5	14.5
Office of the Secretary	8.8	5.0	5.2	8.8	5.0	5.2
Social Security Admin	11.9	30.7	20.2	11.9	30.7	20.2
Department of Housing and Urban Development	27.8	28.5	36.6	18.1	24.0	29.9

See explanatory information, if any, and SOURCE at end of table.

Table 3. Federal funds for total research and development, by agency: fiscal years 1991, 1992, and 1993

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	1991	Estimates		1991	Estimates	
		1992	1993		1992	1993
Department of the Interior, total	592.9	612.8	541.4	535.6	632.3	548.3
Bureau of Land Management	8.8	9.3	16.2	8.8	9.3	16.2
Bureau of Mines	106.1	111.4	74.7	96.3	115.9	88.3
Bureau of Reclamation	8.7	13.2	9.3	8.7	12.2	9.3
Geological Survey	356.6	362.4	325.5	316.6	386.8	326.7
Minerals Management Svc	2.7	3.7	3.7	2.5	3.3	3.6
Nat'l Park Svc	27.5	29.0	29.5	27.5	29.0	29.5
Office of the Secretary	.6	.9	2.8	.6	.9	2.8
Office of Surface Mining Reclamation and Enforcement	1.0	.3	.4	1.0	.3	.4
United States Fish and Wildlife Svc	81.0	82.6	79.3	73.6	74.7	71.4
Department of Justice, total	48.9	50.4	55.4	40.4	41.5	56.0
Bureau of Prisons 4/	[illegible]	5.3	5.6	5.7	6.2	6.2
Drug Enforcement Admin	[illegible]	1.8	1.8	2.8	1.9	1.8
Federal Bureau of Investigation	10.8	11.4	24.3	10.8	11.4	24.3
Immigration and Naturalization Svc	.4	.4	.4	.4	.4	.4
Office of Justice Programs	29.8	31.4	23.3	20.7	21.6	23.3
Department of Labor, total	44.0	39.0	44.1	45.6	40.8	50.3
Bureau of Labor Statistics	7.5	7.6	8.4	7.5	7.6	8.4
Employment and Training Admin	22.1	16.6	16.8	23.7	18.4	23.0
Occupational Safety and Health Admin	2.6	3.2	3.2	2.6	3.2	3.2
Office of the Secretary	8.7	8.6	12.8	8.7	8.6	12.8
Pension Benefit Guaranty Corporation	.5	.6	.5	.5	.6	.5
Pension & Welfare Benefits Admin	2.5	2.5	2.4	2.5	2.5	2.4
Department of State	5.9	5.3	5.3	5.9	5.3	5.3
Department of Transportation, total	379.9	464.8	493.2	342.6	408.9	454.9
Coast Guard	25.5	28.8	29.5	14.5	25.4	31.1
Federal Aviation Admin	220.1	252.3	253.7	199.6	250.3	259.5
Federal Highway Admin	86.9	117.9	134.6	86.1	72.1	100.7
Federal Railroad Admin	15.9	29.2	25.5	12.8	28.0	25.0
Maritime Admin	1.7	1.8	1.7	1.5	1.7	1.7
Nat'l Highway Traffic Safety Admin	21.4	25.8	35.8	19.2	23.2	26.7
Office of the Secretary	4.3	5.1	4.6	4.7	3.4	4.5
Research and Special Programs Admin	2.4	2.5	2.7	2.2	2.4	2.4
Federal Transit Admin 5/	1.7	1.5	5.1	2.1	2.4	3.2
Department of the Treasury, total	30.8	31.3	34.6	30.3	30.7	34.0
Bureau of Engraving and Printing	3.5	4.2	1.3	3.5	4.2	1.3
Financial Crimes Enforcement Network	2.3	2.0	2.1	1.8	2.0	2.1
Internal Revenue Svc	17.9	17.9	17.9	17.3	17.3	17.3
Office of Protective Research	.4	.5	.6	.4	.5	.6
Office of Thrift Supervision 6/	3.0	3.0	3.2	3.0	3.0	3.2
United States Customs Svc	3.7	3.1	8.9	3.7	3.1	8.9
United States Mint	.1	.6	.6	.5	.5	.6
Department of Veterans Affairs	216.6	236.0	242.0	213.4	224.2	237.8

See explanatory information, if any, and SOURCE at end of table.

Table 3. Federal funds for total research and development, by agency: fiscal years 1991, 1992, and 1993

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	1991	Estimates		1991	Estimates	
		1992	1993		1992	1993
Other agencies:						
Advisory Commission on Intergovernmental Relations	1.7	1.5	1.5	1.2	1.3	1.4
Agency for International Development	377.7	361.3	374.3	344.0	331.3	422.3
Appalachian Regional Commission	.7	1.9	.9	.7	1.9	.9
Consumer Product Safety Commission	1.3	1.2	1.5	1.3	1.2	1.5
Environmental Protection Agency	432.6	491.5	519.7	400.1	453.9	495.2
Federal Communications Commission	1.4	1.6	1.6	1.4	1.6	1.6
Federal Trade Commission	1.0	.5	.5	1.0	.5	.5
International Trade Commission	9.9	11.7	12.5	9.9	11.7	12.5
Library of Congress	9.0	10.6	10.5	8.6	10.4	10.3
Nat'l Aeronautics and Space Admin	7,280.2	7,860.3	8,628.7	7,071.2	7,271.8	7,710.2
Nat'l Archives & Records Admin	.7	.3	.3	.7	.3	.3
Nat'l Science Foundation	1,785.2	1,936.5	2,246.9	1,630.6	1,850.1	2,065.2
Nuclear Regulatory Commission	108.8	118.9	127.7	107.5	116.4	125.5
Smithsonian Institution	98.0	100.0	118.0	94.0	97.0	114.0
Tennessee Valley Authority	68.3	89.5	56.0	68.6	90.2	56.0
United States Arms Control and Disarmament Agency	.4	2.1	1.0	.4	2.1	1.0
United States Information Agency	.1	1.0	.6	.2	.7	.6

1/ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

2/ In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging.

3/ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.

4/ Formerly listed as Federal Prison System

5/ Name changed from Urban Mass Transit Administration on December 18, 1991

6/ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

NOTE: Because of rounding, detail may not add to totals.

KEY: - = amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1991, 1992, and 1993

Table 4. Federal obligations for total research and development, by agency and character of work: fiscal year 1991

[Dollars in thousands]

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Total, all agencies	61,295,152	12,170,794	11,797,583	37,326,775
Departments:				
Department of Agriculture, total	1,236,646	557,578	617,887	61,181
Agricultural Cooperative Service	2,814	0	2,814	0
Agricultural Marketing Service 1/	4,231	0	3,716	515
Agricultural Research Service	590,986	309,676	241,123	40,187
Animal & Plant Health Inspection Service	15,736	0	0	15,736
Cooperative State Research Service	376,809	170,400	206,409	0
Economic Research Service	54,370	7,612	46,758	0
Federal Grain Inspection Service	725	0	650	75
Forest Service	174,700	66,600	103,600	4,500
Human Nutrition Information Service	9,899	0	9,899	0
National Agricultural Statistics Service	3,244	1,067	2,177	0
Office of International Cooperation and Development	3,132	2,223	741	168
Department of Commerce, total	489,601	34,332	415,374	39,895
Bureau of the Census	6,618	2,449	2,317	1,852
Economic Development Administration	1,381	0	1,381	0
National Institute of Standards & Technology	139,978	31,883	92,466	15,629
National Oceanic & Atmospheric Administration	338,049	0	315,635	22,414
National Telecommunications & Information Administration	3,575	0	3,575	0
Department of Defense, total	32,134,765	994,154	2,723,754	28,416,857
Department of the Army	6,081,507	188,593	671,911	5,221,003
Department of the Navy	7,806,000	388,000	486,000	6,932,000
Department of the Air Force	10,937,536	209,225	621,175	10,107,136
Defense agencies	7,072,452	208,336	944,668	5,919,448
Test & Evaluation, Deputy Under Secretary Defense	223,720	0	0	223,720
Director, Operational Test & Evaluation	13,550	0	0	13,550
Department of Education	171,017	8,552	123,114	39,351
Department of Energy	5,983,100	1,686,453	1,587,177	2,709,470
Department of Health and Human Services, total	9,755,999	5,050,114	3,112,373	1,593,512
Administration on Aging 2/	20,564	0	2,854	17,710
Administration for Children and Families 2/	129,000	0	13,500	115,500
Agency for Health Care Policy & Research 3/	101,132	0	93,041	8,091
Alcohol, Drug Abuse, & Mental Health Administration	1,460,598	459,093	463,880	537,625
Centers for Disease Control	113,372	0	113,372	0
Food & Drug Administration	125,020	0	125,020	0
Health Care Financing Administration	69,075	0	69,075	0
Health Resources and Services Administration	11,040	1,521	9,519	0
National Institutes of Health	7,695,507	4,589,500	2,193,511	912,496
Office of Assistant Secretary for Health	9,991	0	9,614	377
Office of the Secretary	8,811	0	8,811	0
Social Security Administration	11,889	0	10,176	1,713
Department of Housing and Urban Development	27,812	0	9,391	18,421

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations for total research and development, by agency and character of work: fiscal year 1991

[Dollars in thousands]

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Department of the Interior, total	592,938	229,294	324,102	39,542
Bureau of Land Management	8,770	1,097	4,845	2,828
Bureau of Mines	106,112	42,792	56,200	7,120
Bureau of Reclamation	8,700	100	7,700	900
Geological Survey	356,555	179,105	159,256	18,194
Minerals Management Service	2,686	0	2,686	0
National Park Service	27,474	0	27,474	0
Office of the Secretary	600	0	100	500
Office of Surface Mining Reclamation and Enforcement	1,041	0	1,041	0
United States Fish and Wildlife Service	81,000	6,200	64,800	10,000
Department of Justice, total	48,875	6,386	14,689	27,800
Bureau of Prisons 4/	5,200	0	1,900	3,300
Drug Enforcement Administration	2,700	0	900	1,800
Federal Bureau of Investigation	10,810	0	0	10,810
Immigration and Naturalization Service	400	0	400	0
Office of Justice Programs	29,765	6,386	11,489	11,890
Department of Labor, total	44,002	300	24,027	19,675
Bureau of Labor Statistics	7,500	0	7,500	0
Employment and Training Administration	22,100	300	6,300	15,500
Occupational Safety and Health Administration	2,603	0	2,603	0
Office of the Secretary	8,734	0	4,729	4,005
Pension Benefit Guaranty Corporation	525	0	355	170
Pension & Welfare Benefits Administration	2,540	0	2,540	0
Department of State	5,854	4,598	1,256	0
Department of Transportation, total	379,921	0	114,624	265,297
Coast Guard	25,535	0	6,384	19,151
Federal Aviation Administration	220,137	0	23,963	196,174
Federal Highway Administration	86,877	0	46,056	40,821
Federal Railroad Administration	15,896	0	13,193	2,703
Maritime Administration	1,713	0	1,713	0
National Highway Traffic Safety Administration	21,368	0	21,368	0
Office of the Secretary	4,284	0	586	3,698
Research and Special Programs Administration	2,378	0	1,361	1,017
Federal Transit Administration 5/	1,733	0	0	1,733
Department of the Treasury, total	30,835	3,576	20,560	6,699
Bureau of Engraving and Printing	3,547	0	2,719	828
Financial Crimes Enforcement Network	2,278	0	0	2,278
Internal Revenue Service	17,878	3,576	13,945	357
Office of Protective Research	406	0	406	0
Office of Thrift Supervision 6/	2,990	0	2,990	0
United States Customs Service	3,684	0	500	3,184
United States Mint	52	0	0	52
Department of Veterans Affairs	216,600	16,100	177,700	22,800

See explanatory information, if any, and SOURCE at end of table.

Table 4. Federal obligations for total research and development, by agency and character of work: fiscal year 1991

[Dollars in thousands]

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Other agencies:				
Advisory Commission on Intergovernmental Relations	1,663	0	1,663	0
Agency for International Development	377,747	5,684	351,687	20,376
Appalachian Regional Commission	742	0	742	0
Consumer Product Safety Commission	1,313	0	883	430
Environmental Protection Agency	432,632	91,224	261,915	79,493
Federal Communications Commission	1,442	0	1,442	0
Federal Trade Commission	957	0	957	0
International Trade Commission	9,885	0	9,885	0
Library of Congress	9,048	373	1,331	7,344
National Aeronautics and Space Administration	7,280,239	1,705,575	1,665,587	3,909,077
National Archives & Records Admin	691	356	255	80
National Science Foundation	1,785,223	1,676,205	109,018	0
Nuclear Regulatory Commission	108,800	0	108,800	0
Smithsonian Institution	97,999	97,999	0	0
Tennessee Valley Authority	68,316	1,941	16,900	49,475
United States Arms Control and Disarmament Agency	390	0	390	0
United States Information Agency	100	0	100	0

1/ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

2/ In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging.

3/ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.

4/ Formerly listed as Federal Prison System

5/ Name changed from Urban Mass Transit Administration on December 18, 1991

6/ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1991, 1992, and 1993

Table 5. Federal obligations for total research and development, by agency and character of work: fiscal year 1992 (estimates)

[Dollars in thousands]

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Total, all agencies	70,367,830	13,254,058	12,941,391	44,172,381
Departments:				
Department of Agriculture, total	1,336,451	614,417	657,999	64,035
Agricultural Cooperative Service	3,518	0	3,518	0
Agricultural Marketing Service 1/	4,676	0	4,074	602
Agricultural Research Service	628,379	337,439	249,467	41,473
Animal & Plant Health Inspection Service	16,732	0	0	16,732
Cooperative State Research Service	419,418	194,781	224,637	0
Economic Research Service	58,720	8,221	50,499	0
Federal Grain Inspection Service	1,164	0	1,036	128
Forest Service	188,100	71,700	111,300	5,100
Human Nutrition Information Service	10,788	0	10,788	0
National Agricultural Statistics Service	3,423	1,126	2,297	0
Office of International Cooperation and Development	1,533	1,150	383	0
Department of Commerce, total	620,725	34,915	495,720	90,090
Bureau of the Census	6,080	1,298	2,726	2,056
Economic Development Administration	500	0	500	0
National Institute of Standards & Technology	220,887	33,617	133,916	53,354
National Oceanic & Atmospheric Administration	389,307	0	354,627	34,680
National Telecommunications & Information Administration	3,951	0	3,951	0
Department of Defense, total	38,309,247	1,094,438	3,003,555	34,211,254
Department of the Army	6,631,232	191,134	689,605	5,750,493
Department of the Navy	9,199,000	394,000	501,000	8,304,000
Department of the Air Force	13,588,499	173,796	630,646	12,784,057
Defense agencies	8,681,700	335,508	1,182,304	7,163,888
Test & Evaluation, Deputy Under Secretary Defense	195,980	0	0	195,980
Director, Operational Test & Evaluation	12,836	0	0	12,836
Department of Education	199,641	6,293	143,296	50,052
Department of Energy	6,765,762	1,808,626	1,790,747	3,166,389
Department of Health and Human Services, total	10,677,474	5,511,449	3,388,465	1,777,560
Administration on Aging 2/	20,602	0	2,860	17,742
Administration for Children and Families 2/	155,300	0	14,400	140,900
Agency for Health Care Policy & Research 3/	106,344	0	97,836	8,508
Alcohol, Drug Abuse, & Mental Health Administration	1,583,213	490,464	492,639	600,110
Centers for Disease Control	117,400	0	117,400	0
Food & Drug Administration	137,706	0	137,706	0
Health Care Financing Administration	78,380	0	78,380	0
Health Resources and Services Administration	11,179	1,585	9,594	0
National Institutes of Health	8,422,700	5,019,400	2,394,000	1,009,300
Office of Assistant Secretary for Health	8,930	0	7,930	1,000
Office of the Secretary	5,012	0	5,012	0
Social Security Administration	30,708	0	30,708	0
Department of Housing and Urban Development	28,450	0	10,366	18,084

See explanatory information, if any, and SOURCE at end of table.

Table 5. Federal obligations for total research and development, by agency and character of work: fiscal year 1992 (estimates)

[Dollars in thousands]

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Department of the Interior, total	612,811	232,233	334,492	46,086
Bureau of Land Management	9,277	1,572	4,714	2,991
Bureau of Mines	111,446	44,495	58,435	8,516
Bureau of Reclamation	13,200	0	10,700	2,500
Geological Survey	362,449	180,066	164,604	17,779
Minerals Management Service	3,685	0	3,685	0
National Park Service	29,000	0	29,000	0
Office of the Secretary	900	0	200	700
Office of Surface Mining Reclamation and Enforcement	254	0	254	0
United States Fish and Wildlife Service	82,600	6,100	62,900	13,600
Department of Justice, total	50,364	5,111	16,444	28,809
Bureau of Prisons 4/	5,300	0	2,000	3,300
Drug Enforcement Administration	1,800	0	300	1,500
Federal Bureau of Investigation	11,427	0	0	11,427
Immigration and Naturalization Service	400	0	400	0
Office of Justice Programs	31,437	5,111	13,744	12,582
Department of Labor, total	39,009	379	24,863	13,767
Bureau of Labor Statistics	7,600	0	7,600	0
Employment and Training Administration	16,600	300	6,500	9,800
Occupational Safety and Health Administration	3,219	0	3,219	0
Office of the Secretary	8,569	0	4,691	3,878
Pension Benefit Guaranty Corporation	561	79	393	89
Pension & Welfare Benefits Administration	2,460	0	2,460	0
Department of State	5,300	4,869	431	0
Department of Transportation, total	464,834	0	161,614	303,220
Coast Guard	28,750	0	7,188	21,562
Federal Aviation Administration	252,319	0	33,793	218,526
Federal Highway Administration	117,944	0	66,729	51,215
Federal Railroad Administration	29,190	0	24,227	4,963
Maritime Administration	1,751	0	1,751	0
National Highway Traffic Safety Administration	25,774	0	25,774	0
Office of the Secretary	5,085	0	740	4,345
Research and Special Programs Administration	2,521	0	1,412	1,109
Federal Transit Administration 5/	1,500	0	0	1,500
Department of the Treasury, total	31,316	3,576	21,315	6,425
Bureau of Engraving and Printing	4,245	0	3,565	680
Financial Crimes Enforcement Network	1,958	0	0	1,958
Internal Revenue Service	17,878	3,576	13,945	357
Office of Protective Research	532	0	532	0
Office of Thrift Supervision 6/	3,023	0	3,023	0
United States Customs Service	3,080	0	250	2,830
United States Mint	600	0	0	600
Department of Veterans Affairs	236,000	15,700	197,300	23,000

See explanatory information, if any, and SOURCE at end of table.

Table 5. Federal obligations for total research and development, by agency and character of work: fiscal year 1992 (estimates)

[Dollars in thousands]

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Other agencies:				
Advisory Commission on Intergovernmental Relations	1,510	0	1,510	0
Agency for International Development	361,317	4,967	329,744	26,606
Appalachian Regional Commission	1,900	0	1,900	0
Consumer Product Safety Commission	1,222	0	818	404
Environmental Protection Agency	491,496	102,886	312,324	76,286
Federal Communications Commission	1,594	0	1,594	0
Federal Trade Commission	528	0	528	0
International Trade Commission	11,720	0	11,720	0
Library of Congress	10,606	454	1,571	8,581
National Aeronautics and Space Administration	7,860,299	1,902,730	1,761,354	4,196,215
National Archives & Records Admin	340	150	110	80
National Science Foundation	1,936,462	1,808,615	127,847	0
Nuclear Regulatory Commission	118,898	0	118,898	0
Smithsonian Institution	100,000	100,000	0	0
Tennessee Valley Authority	89,546	2,250	21,858	65,438
United States Arms Control and Disarmament Agency	2,058	0	2,058	0
United States Information Agency	950	0	950	0

1/ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

2/ In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging.

3/ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.

4/ Formerly listed as Federal Prison System

5/ Name changed from Urban Mass Transit Administration on December 18, 1991

6/ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1991, 1992, and 1993

Table 6. Federal obligations for total research and development, by agency and character of work: fiscal year 1993 (estimates)

[Dollars in thousands]

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Total, all agencies	69,754,444	14,184,333	13,714,972	41,855,139
Departments:				
Department of Agriculture, total	1,337,168	642,159	629,661	65,348
Agricultural Cooperative Service	3,097	0	3,097	0
Agricultural Marketing Service 1/	4,299	0	3,729	570
Agricultural Research Service	654,323	351 371	259,766	43,186
Animal & Plant Health Inspection Service	16,651	0	0	16,651
Cooperative State Research Service	404,273	212,705	191,568	0
Economic Research Service	60,372	8,452	51,920	0
Federal Grain Inspection Service	1,280	0	1,139	141
Forest Service	177,300	67,500	105,000	4,800
Human Nutrition Information Service	10,788	0	10,788	0
National Agricultural Statistics Service	3,464	1,140	2,324	0
Office of International Cooperation and Development	1,321	991	330	0
Department of Commerce, total	622,614	39,525	494,318	88,771
Bureau of the Census	5,866	1,094	2,699	2,073
National Institute of Standards & Technology	231,071	38,431	143,222	49,418
National Oceanic & Atmospheric Administration	379,401	0	342,121	37,280
National Telecommunications & Information Administration	6,276	0	6,276	0
Department of Defense, total	36,155,150	1,161,832	3,365,000	31,628,318
Department of the Army	5,737,286	174,170	591,202	4,971,914
Department of the Navy	8,754,000	471,000	619,000	7,664,000
Department of the Air Force	12,652,446	185,476	829,215	11,637,755
Defense agencies	8,396,691	272,617	1,126,080	6,997,994
Test & Evaluation, Deputy Under Secretary Defense	287,302	0	0	287,302
Director, Operational Test & Evaluation	12,983	0	0	12,983
Health Affairs, Assistant Secretary of Defense for	314,442	58,569	199,503	56,370
Department of Education	210,396	6,492	140,020	63,884
Department of Energy	6,731,431	1,873,414	1,747,505	3,110,512
Department of Health and Human Services, total	11,142,684	5,848,617	3,460,164	1,833,903
Administration on Aging 2/	19,602	0	2,860	16,742
Administration for Children and Families 2/	142,200	0	16,000	126,200
Agency for Health Care Policy & Research 3/	73,856	0	67,948	5,908
Alcohol, Drug Abuse, & Mental Health Administration	1,680,447	519,223	522,634	638,590
Centers for Disease Control	118,325	0	118,325	0
Food & Drug Administration	143,300	0	143,300	0
Health Care Financing Administration	36,000	0	36,000	0
Health Resources and Services Administration	11,067	1,394	9,673	0
National Institutes of Health	8,888,100	5,328,000	2,515,500	1,044,600
Office of Assistant Secretary for Health	4,398	0	2,828	1,570
Office of the Secretary	5,224	0	5,224	0
Social Security Administration	20,165	0	19,872	293
Department of Housing and Urban Development	36,565	0	13,206	23,359

See explanatory information, if any, and SOURCE at end of table.

Table 6. Federal obligations for total research and development, by agency and character of work: fiscal year 1993 (estimates)

[Dollars in thousands]

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Department of the Interior, total	541,360	194,758	311,448	35,154
Bureau of Land Management	16,222	2,141	8,850	5,231
Bureau of Mines	74,703	26,811	43,629	4,263
Bureau of Reclamation	9,300	0	8,300	1,000
Geological Survey	325,457	159,906	153,991	11,560
Minerals Management Service	3,678	0	3,678	0
National Park Service	29,500	0	29,500	0
Office of the Secretary	2,800	0	2,000	800
Office of Surface Mining Reclamation and Enforcement	400	0	400	0
United States Fish and Wildlife Service	79,300	5,900	61,100	12,300
Department of Justice, total	55,427	2,989	12,666	39,772
Bureau of Prisons 4/	5,600	0	2,000	3,600
Drug Enforcement Administration	1,800	0	300	1,500
Federal Bureau of Investigation	24,298	0	0	24,298
Immigration and Naturalization Service	400	0	400	0
Office of Justice Programs	23,329	2,989	9,966	10,374
Department of Labor, total	44,133	200	27,395	16,538
Bureau of Labor Statistics	8,400	0	8,400	0
Employment and Training Administration	16,800	200	3,800	12,800
Occupational Safety and Health Administration	3,219	0	3,219	0
Office of the Secretary	12,819	0	9,081	3,738
Pension Benefit Guaranty Corporation	535	0	535	0
Pension & Welfare Benefits Administration	2,360	0	2,360	0
Department of State	5,314	4,872	442	0
Department of Transportation, total	493,225	0	210,243	282,982
Coast Guard	29,500	0	7,375	22,125
Federal Aviation Administration	253,669	0	64,543	189,126
Federal Highway Administration	134,608	0	77,315	57,293
Federal Railroad Administration	25,539	0	21,197	4,342
Maritime Administration	1,734	0	1,734	0
National Highway Traffic Safety Administration	35,778	0	35,778	0
Office of the Secretary	4,626	0	763	3,863
Research and Special Programs Administration	2,671	0	1,538	1,133
Federal Transit Administration 5/	5,100	0	0	5,100
Department of the Treasury, total	34,584	3,576	19,665	11,343
Bureau of Engraving and Printing	1,325	0	1,325	0
Financial Crimes Enforcement Network	2,127	0	0	2,127
Internal Revenue Service	17,878	3,576	13,945	357
Office of Protective Research	572	0	572	0
Office of Thrift Supervision 6/	3,173	0	3,173	0
United States Customs Service	8,907	0	650	8,257
United States Mint	602	0	0	602
Department of Veterans Affairs	242,000	13,100	205,900	23,000

See explanatory information, if any, and SOURCE at end of table.

Table 6. Federal obligations for total research and development, by agency and character of work: fiscal year 1993 (estimates)

[Dollars in thousands]

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Other agencies:				
Advisory Commission on Intergovernmental Relations	1,481	0	1,481	0
Agency for International Development	374,270	4,653	342,466	27,151
Appalachian Regional Commission	900	0	900	0
Consumer Product Safety Commission	1,503	0	1,090	413
Environmental Protection Agency	519,700	115,912	319,336	84,452
Federal Communications Commission	1,585	0	1,585	0
Federal Trade Commission	548	0	548	0
International Trade Commission	12,533	0	12,533	0
Library of Congress	10,539	460	1,573	8,506
National Aeronautics and Space Administration	8,628,726	2,060,152	2,103,082	4,465,492
National Archives & Records Admin	340	50	210	80
National Science Foundation	2,246,933	2,093,572	153,361	0
Nuclear Regulatory Commission	127,720	0	127,720	0
Smithsonian Institution	118,000	118,000	0	0
Tennessee Valley Authority	56,015	0	9,854	46,161
United States Arms Control and Disarmament Agency	1,000	0	1,000	0
United States Information Agency	600	0	600	0

1/ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

2/ In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging.

3/ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.

4/ Formerly listed as Federal Prison System

5/ Name changed from Urban Mass Transit Administration on December 18, 1991

6/ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1991, 1992, and 1993

Table 7. Federal obligations for total research and development, by agency and performer: fiscal year 1991

[Dollars in millions]

Agency and subdivision	Total	Intramural 1/	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other non-profit institutions	FFRDCs admin by non-profit institutions	State and local govts	
Total, all agencies	61,295.2	15,238.1	26,420.6	2,068.3	10,168.5	3,603.8	2,637.4	679.4	215.1	263.9
Departments:										
Department of Agriculture, total	1,236.6	824.1	6.2	.0	385.8	-	11.0	-	3.4	6.2
Agricultural Cooperative Svc	2.8	2.8	-	-	.0	-	-	-	-	-
Agricultural Marketing Svc 2/	4.2	2.6	-	-	.2	-	-	-	1.4	-
Agricultural Research Svc	591.0	562.7	-	-	21.0	-	2.8	-	.2	4.4
Animal & Plant Health Inspection Svc	15.7	15.2	-	-	.4	-	.1	-	-	-
Cooperative State Research Svc	376.8	18.3	5.6	-	344.6	-	7.0	-	1.3	-
Economic Research Svc	54.4	52.6	-	-	1.8	-	-	-	-	-
Federal Grain Inspection Svc	.7	.4	-	-	.3	-	-	-	-	-
Forest Svc	174.7	156.0	.5	-	16.5	-	1.1	-	.5	.1
Human Nutrition Information Svc	9.9	9.3	.1	-	.5	-	-	-	-	-
Nat'l Agricultural Statistics Svc	3.2	3.0	-	.0	.3	-	-	-	-	-
Office of International Cooperation & Development	3.1	1.1	-	-	.4	-	-	-	-	1.7
Department of Commerce, total	489.6	399.5	17.0	-	62.7	.1	3.0	.1	7.1	.1
Bureau of the Census	6.6	4.4	-	-	2.2	-	-	-	-	-
Economic Development Admin	1.4	.8	-	-	.5	-	.0	-	.1	-
Nat'l Inst of Standards & Tech	140.0	123.9	7.7	-	5.4	.1	2.8	.1	-	.0
Nat'l Oceanic & Atmospheric Admin	338.0	266.9	9.3	-	54.6	-	.2	.0	7.0	.1
Nat'l Telecomm & Information Admin	3.6	3.6	-	-	-	-	-	-	-	-
Dept of Defense, research 3/	3,717.9	1,403.7	1,297.6	38.8	793.8	77.4	52.1	34.8	.0	19.6
Dept of Defense, development 3/	28,416.9	6,753.1	19,736.0	277.2	358.0	559.8	215.2	407.6	.5	109.4
Department of the Army R&D	6,081.5	2,238.4	3,511.0	8.3	116.9	104.2	51.7	37.8	.0	13.3
Department of the Navy R&D	7,806.0	3,003.6	4,010.2	156.8	461.0	6.9	44.9	57.1	-	65.4
Department of the Air Force R&D	10,937.5	836.7	9,678.7	24.7	141.2	39.8	11.2	202.6	-	2.6
Defense agencies R&D	7,072.5	1,960.4	3,731.3	126.3	431.5	486.3	159.5	129.8	-	47.3
Test & Evaluation, Deputy Under Secretary Defense R&D	223.7	116.8	101.6	-	1.3	-	-	3.1	.4	.5
Director, Operational Test and Evaluation R&D	13.6	.9	.8	-	-	-	-	11.9	-	-
Department of Education	171.0	10.7	9.5	-	100.9	-	48.0	-	1.9	.1
Department of Energy	5,983.1	381.1	854.9	1,690.4	620.7	2,071.7	171.0	186.3	4.9	2.2
Dept of Health & Human Svcs, total	9,756.0	1,975.1	373.0	16.6	5,658.2	28.2	1,487.2	17.1	152.7	47.9
Admin on Aging 4/	20.6	.6	-	-	1.2	-	10.0	-	8.7	-
Admin for Children and Families 4/	129.0	1.6	2.1	-	11.7	-	88.3	-	25.3	-
Agency for Health Care Policy & Research 5/	101.1	23.2	10.2	-	52.6	-	13.6	-	1.6	.1
Alcohol, Drug Abuse, & Mental Health Admin	1,460.6	379.8	11.3	-	859.0	.6	149.9	-	53.1	6.8
Centers for Disease Control	113.4	55.5	1.9	-	33.6	-	22.2	-	-	.2
Food & Drug Admin	125.0	85.3	13.9	-	14.7	-	6.2	-	4.9	-
Health Care Financing Admin	69.1	.2	16.4	-	10.7	-	36.6	-	5.1	.1
Health Resources and Svcs Admin	11.0	4.0	-	-	5.4	-	-	1.7	-	-
Nat'l Institutes of Health	7,695.5	1,407.9	315.2	16.6	4,662.3	27.6	1,156.6	15.4	53.5	40.6
Office of Asst Secretary for Health	10.0	9.6	-	-	.2	-	.2	-	-	-
Office of the Secretary	8.8	1.3	1.6	-	3.8	-	1.5	-	.5	.1
Social Security Admin	11.9	6.0	.5	-	3.1	-	2.2	-	.0	.0
Dept of Housing & Urban Development	27.8	15.3	11.2	-	.0	-	1.3	-	-	-

See explanatory information, if any, and SOURCE at end of table.

Table 7. Federal obligations for total research and development, by agency and performer: fiscal year 1991

[Dollars in millions]

Agency and subdivision	Total	Intra-mural 1/	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of the Interior, total	592.9	489.5	32.8	3.6	58.5	-	1.5	-	6.3	.6
Bureau of Land Management	8.8	3.7	-	-	5.1	-	-	-	-	-
Bureau of Mines	106.1	74.6	14.5	3.6	11.1	-	-	-	2.5	-
Bureau of Reclamation	8.7	8.7	-	-	-	-	-	-	-	-
Geological Survey	356.6	309.1	17.5	-	24.7	-	1.4	-	3.8	.1
Minerals Management Svc	2.7	1.3	.2	.1	.4	-	.1	-	-	.6
Nat'l Park Svc	27.5	18.3	-	-	9.1	-	.1	-	-	-
Office of the Secretary	.6	.1	.6	-	-	-	-	-	-	-
Office of Surface Mining Reclamation & Enforcement	1.0	.0	-	-	1.0	-	-	-	-	-
US Fish & Wildlife Svc	81.0	73.9	-	-	7.1	-	-	-	-	-
Department of Justice, total	48.9	14.1	7.8	.9	6.1	-	14.9	-	5.2	-
Bureau of Prisons 6/	5.2	1.9	.2	-	-	-	-	-	3.2	-
Drug Enforcement Admin	2.7	.3	1.5	.9	-	-	-	-	-	-
Federal Bureau of Investigation	10.8	10.8	-	-	-	-	-	-	-	-
Immigration & Naturalization Svc	.4	.0	.4	-	-	-	-	-	-	-
Office of Justice Programs	29.8	1.1	5.8	-	6.1	-	14.9	-	2.0	-
Department of Labor, total	44.0	11.0	17.9	-	5.5	-	5.8	-	3.8	.0
Bureau of Labor Statistics	7.5	2.5	-	-	5.0	-	-	-	-	-
Employment and Training Admin	22.1	4.3	10.4	-	-	-	4.1	-	3.3	-
Occupational Safety & Health Admin	2.6	.4	2.2	-	-	-	-	-	-	-
Office of the Secretary	8.7	2.8	3.2	-	.5	-	1.7	-	.5	.0
Pension Benefit Guaranty Corporation	.5	.4	.1	-	-	-	-	-	-	-
Pension & Welfare Benefit Admin	2.5	.5	2.0	-	-	-	-	-	-	-
Department of State	5.9	.3	.1	-	.9	-	4.5	-	-	.0
Department of Transportation, total	379.9	234.8	88.2	.2	21.2	-	7.2	17.7	10.0	.7
Coast Guard	25.5	18.1	6.7	-	.7	-	-	-	-	-
Federal Aviation Admin	220.1	188.5	6.8	-	7.1	-	-	17.7	-	-
Federal Highway Admin	86.9	2.6	61.9	.2	10.6	-	1.5	-	9.9	.1
Federal Railroad Admin	15.9	8.4	2.8	-	.6	-	4.1	-	-	-
Maritime Admin	1.7	1.0	.5	-	.3	-	-	-	-	-
Nat'l Highway Traffic Safety Admin	21.4	10.0	8.1	-	1.0	-	1.6	-	.0	.6
Office of the Secretary	4.3	3.1	1.0	-	.2	-	-	-	-	-
Research & Special Programs Admin	2.4	2.1	.3	-	-	-	-	-	-	-
Federal Transit Admin 7/	1.7	1.0	-	-	.7	-	-	-	-	-
Department of the Treasury, total	30.8	21.1	9.5	-	-	.2	-	-	-	-
Bureau of Engraving and Printing	3.5	3.3	-	-	-	.2	-	-	-	-
Financial Crimes Enforcement Network	2.3	2.3	-	-	-	-	-	-	-	-
Internal Revenue Svc	17.9	11.9	5.9	-	-	-	-	-	-	-
Office of Protective Research	.4	.2	.2	-	-	-	-	-	-	-
Office of Thrift Supervision 8/	3.0	3.0	-	-	-	-	-	-	-	-
United States Customs Svc	3.7	.3	3.4	-	-	-	-	-	-	-
United States Mint	.1	.1	-	-	-	-	-	-	-	-
Department of Veterans Affairs	216.6	214.3	-	-	2.3	-	-	-	-	-

See explanatory information, if any, and SOURCE at end of table.

Table 7. Federal obligations for total research and development, by agency and performer: fiscal year 1991

[Dollars in millions]

Agency and subdivision	Total	Intra-mural 1/	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Advisory Commission on Intergovernmental Relations	1.7	1.7	-	-	-	-	-	-	-	-
Agency for International Development	377.7	12.5	19.5	-	55.0	-	235.2	-	-	55.6
Appalachian Regional Commission	.7	.1	.3	-	.0	-	-	-	.3	-
Consumer Product Safety Commission	1.3	1.2	.1	-	-	-	-	-	-	-
Environmental Protection Agency	432.6	167.2	161.6	-	62.7	.1	28.7	-	12.4	-
Federal Communications Commission	1.4	1.4	-	-	-	-	-	-	-	-
Federal Trade Commission	1.0	1.0	-	-	-	-	-	-	-	-
International Trade Commission	9.9	9.9	-	-	-	-	-	-	-	-
Library of Congress	9.0	9.0	-	-	-	-	-	-	-	-
Nat'l Aeronautics & Space Admin	7,280.2	2,112.0	3,667.0	-	533.7	736.3	212.9	1.9	4.6	11.7
Nat'l Archives & Records Admin	.7	.6	-	-	-	.1	-	-	-	-
Nat'l Science Foundation	1,785.2	13.0	102.8	.7	1,435.5	111.3	112.3	.3	2.1	7.2
Nuclear Regulatory Commission	108.8	19.9	7.5	39.9	5.4	18.4	1.6	13.5	-	2.5
Smithsonian Institution	98.0	98.0	-	-	-	-	-	-	-	-
Tennessee Valley Authority	68.3	42.8	-	-	1.5	-	24.0	-	-	-
US Arms Control & Disarmament Agency	.4	.1	.2	-	.0	.1	-	-	-	-
United States Information Agency	.1	.1	-	-	-	-	-	-	-	-

1/ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

2/ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

3/ Beginning with Volume XL, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

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NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs= Federally funded research and development centers
- = amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1991, 1992, and 1993

Table 8. Federal obligations for total research and development, by agency and performer: fiscal year 1992 (estimates)

[Dollars in millions]

Agency and subdivision	Total	Intra-mural 1/	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	70,367.8	16,634.6	32,155.6	2,177.5	11,297.7	3,831.4	2,944.2	712.9	274.9	339.1
Departments:										
Department of Agriculture, total	1,336.5	885.4	8.9	.0	424.4	-	11.2	-	2.9	3.7
Agricultural Cooperative Svc	3.5	3.3	-	-	.2	-	-	-	-	-
Agricultural Marketing Svc 2/	4.7	3.4	-	-	-	-	-	-	1.3	-
Agricultural Research Svc	628.4	600.0	-	-	21.6	-	3.1	-	.2	3.6
Animal & Plant Health Inspection Svc	16.7	16.2	-	-	.5	-	-	-	-	-
Cooperative State Research Svc	419.4	20.3	6.1	-	384.6	-	7.3	-	1.1	-
Economic Research Svc	58.7	57.0	-	-	1.7	-	-	-	-	-
Federal Grain Inspection Svc	1.2	.9	-	-	.3	-	-	-	-	-
Forest Svc	188.1	172.1	.4	-	14.3	-	.8	-	.4	.1
Human Nutrition Information Svc	10.8	7.7	2.4	-	.6	-	-	-	-	-
Nat'l Agricultural Statistics Svc	3.4	3.2	-	.0	.2	-	-	-	-	-
Office of International Cooperation & Development	1.5	1.2	-	-	.3	-	-	-	-	-
Department of Commerce, total	620.7	425.9	120.1	-	62.8	1.5	3.5	.1	6.7	.1
Bureau of the Census	6.1	5.1	-	-	1.0	-	-	-	-	-
Economic Development Admin	.5	.1	-	-	.3	-	.1	-	-	-
Nat'l Inst of Standards & Tech	220.9	131.6	80.5	-	5.2	.1	3.3	.1	-	.0
Nat'l Oceanic & Atmospheric Admin	389.3	285.2	39.6	-	56.3	1.3	.1	.0	6.7	.1
Nat'l Telecomm & Information Admin	4.0	4.0	-	-	-	-	-	-	-	-
Dept of Defense, research 3/	4,098.0	1,474.0	1,465.8	31.5	956.1	69.3	73.2	12.3	.0	15.8
Dept of Defense, development 3/	34,211.3	7,317.4	24,509.3	281.0	642.4	575.5	270.3	436.3	2.8	176.3
Department of the Army R&D	6,631.2	2,372.8	3,814.4	6.6	121.2	185.1	90.0	27.6	.0	13.5
Department of the Navy R&D	9,199.0	3,041.9	5,340.0	156.8	466.9	6.7	51.8	55.5	-	79.5
Department of the Air Force R&D	13,588.5	1,403.8	11,781.9	7.0	129.3	46.6	9.9	205.0	2.5	2.5
Defense agencies R&D	8,681.7	1,888.9	4,928.3	142.2	880.0	405.2	190.7	149.9	-	96.5
Test & Evaluation, Deputy Under Secretary Defense R&D	196.0	82.9	110.4	-	1.1	1.2	-	-	.4	-
Director, Operational Test and Evaluation R&D	12.8	1.1	-	-	-	-	1.1	10.6	-	-
Department of Education	199.6	11.6	11.7	-	117.6	-	57.1	-	1.6	.1
Department of Energy	6,765.8	498.4	1,243.5	1,787.7	640.0	2,233.0	148.3	207.6	4.8	2.5
Dept of Health & Human Svcs, total	10,677.5	2,244.6	429.4	19.7	5,987.8	33.2	1,689.1	24.2	193.8	55.7
Admin on Aging 4/	20.6	.7	-	-	2.4	-	9.4	-	8.2	-
Admin for Children and Families 4/	155.3	1.9	2.5	-	12.7	-	94.5	-	43.7	-
Agency for Health Care Policy & Research 5/	106.3	24.4	6.7	-	55.3	-	18.3	-	1.6	.1
Alcohol, Drug Abuse, & Mental Health Admin	1,583.2	412.2	17.6	-	927.2	1.4	159.3	-	57.1	8.4
Centers for Disease Control	117.4	58.9	1.9	-	33.6	-	22.8	-	-	.2
Food & Drug Admin	137.7	94.0	15.3	-	16.2	-	6.8	-	5.4	-
Health Care Financing Admin	78.4	.2	17.2	-	10.5	-	37.2	-	13.1	.1
Health Resources and Svcs Admin	11.2	4.2	-	-	5.2	-	-	1.7	-	-
Nat'l Institutes of Health	8,422.7	1,625.2	363.1	19.7	4,922.0	31.8	1,330.0	22.5	61.7	46.8
Office of Asst Secretary for Health	8.9	8.0	-	-	.7	-	.2	-	-	-
Office of the Secretary	5.0	.9	1.1	-	1.0	-	1.4	-	.6	-
Social Security Admin	30.7	14.0	4.1	-	1.0	-	9.0	-	2.5	.1
Dept of Housing & Urban Development	28.5	15.6	8.5	-	.5	-	3.8	-	.2	-

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Table 8. Federal obligations for total research and development, by agency and performer: fiscal year 1992 (estimates)

[Dollars in millions]

Agency and subdivision	Total	Intra-mural 1/	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of the Interior, total	612.8	525.9	18.5	3.6	56.0	-	2.3	-	4.4	2.2
Bureau of Land Management	9.3	3.7	-	-	5.6	-	-	-	-	-
Bureau of Mines	111.4	96.1	1.6	3.6	9.9	-	-	-	.2	-
Bureau of Reclamation	13.2	12.1	-	-	.3	-	.8	-	-	-
Geological Survey	362.4	318.0	15.8	-	23.2	-	1.3	-	4.1	.0
Minerals Management Svc	3.7	.9	.3	.0	.3	-	-	-	-	2.1
Nat'l Park Svc	29.0	19.8	-	-	9.0	-	.2	-	-	-
Office of the Secretary	.9	.1	.8	-	-	-	-	-	-	-
Office of Surface Mining Reclamation & Enforcement	.3	.0	-	-	.3	-	-	-	-	-
US Fish & Wildlife Svc	82.6	75.2	-	-	7.4	-	-	-	-	-
Department of Justice, total	50.4	15.7	7.2	.5	5.7	-	16.2	-	5.1	-
Bureau of Prisons 6/	5.3	2.0	.2	-	-	-	-	-	3.2	-
Drug Enforcement Admin	1.8	.4	.9	.5	-	-	-	-	-	-
Federal Bureau of Investigation	11.4	11.4	-	-	-	-	-	-	-	-
Immigration & Naturalization Svc	.4	.0	.4	-	-	-	-	-	-	-
Office of Justice Programs	31.4	1.9	5.8	-	5.7	-	16.2	-	1.9	-
Department of Labor, total	39.0	15.7	12.4	-	2.5	-	3.5	-	5.0	-
Bureau of Labor Statistics	7.6	7.6	-	-	-	-	-	-	-	-
Employment and Training Admin	16.6	3.2	4.4	-	2.0	-	2.1	-	4.9	-
Occupational Safety & Health Admin	3.2	.4	2.8	-	-	-	-	-	-	-
Office of the Secretary	8.6	3.6	3.1	-	.5	-	1.4	-	.1	-
Pension Benefit Guaranty Corporation	.6	.3	.3	-	-	-	-	-	-	-
Pension & Welfare Benefit Admin	2.5	.6	1.9	-	-	-	-	-	-	-
Department of State	5.3	.4	.1	-	-	-	4.8	-	-	-
Department of Transportation, total	464.8	242.2	142.6	8.6	26.2	-	10.7	17.6	15.9	1.1
Coast Guard	28.8	20.4	-	7.6	.7	-	-	-	-	-
Federal Aviation Admin	252.3	190.1	37.5	-	6.7	-	.4	17.6	-	-
Federal Highway Admin	117.9	2.0	84.3	.9	15.8	-	1.8	-	12.8	.4
Federal Railroad Admin	29.2	11.6	8.5	-	.2	-	5.9	-	3.0	-
Maritime Admin	1.8	1.1	.6	-	.1	-	-	-	-	-
Nat'l Highway Traffic Safety Admin	25.8	10.3	10.1	-	2.0	-	2.6	-	.1	.7
Office of the Secretary	5.1	3.8	1.2	-	-	-	-	.1	-	-
Research & Special Programs Admin	2.5	1.8	.5	-	.2	-	-	-	-	-
Federal Transit Admin 7/	1.5	1.0	-	-	.5	-	-	-	-	-
Department of the Treasury, total	31.3	21.3	9.6	-	-	.4	-	-	-	-
Bureau of Engraving and Printing	4.2	4.2	-	-	-	.1	-	-	-	-
Financial Crimes Enforcement Network	2.0	1.6	-	-	-	.3	-	-	-	-
Internal Revenue Svc	17.9	11.9	5.9	-	-	-	-	-	-	-
Office of Protective Research	.5	.2	.3	-	-	-	-	-	-	-
Office of Thrift Supervision 8/	3.0	3.0	-	-	-	-	-	-	-	-
United States Customs Svc	3.1	.3	2.8	-	-	-	-	-	-	-
United States Mint	.6	.1	.5	-	-	-	-	-	-	-
Department of Veterans Affairs	236.0	233.5	-	-	2.6	-	-	-	-	-

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Agency and subdivision	Total	Intra-mural 1/	Extramural							
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Other agencies:										
Advisory Commission on Intergovernmental Relations	1.5	1.5	-	-	-	-	-	-	-	-
Agency for International Development	361.3	9.3	16.1	-	39.5	-	236.7	-	-	59.6
Appalachian Regional Commission	1.9	.0	1.8	-	.1	-	-	-	.1	-
Consumer Product Safety Commission	1.2	1.1	.2	-	-	-	-	-	-	-
Environmental Protection Agency	491.5	109.7	201.0	-	120.3	.1	36.4	-	23.9	-
Federal Communications Commission	1.6	1.6	-	-	-	-	-	-	-	-
Federal Trade Commission	.5	.5	-	-	-	-	-	-	-	-
International Trade Commission	11.7	11.7	-	-	-	-	-	-	-	-
Library of Congress	10.6	10.6	-	-	-	-	-	-	-	-
Nat'l Aeronautics & Space Admin	7,860.3	2,361.5	3,845.8	-	632.0	772.8	229.9	1.9	4.6	11.7
Nat'l Archives & Records Admin	.3	.3	-	-	-	-	-	-	-	-
Nat'l Science Foundation	1,936.5	12.9	92.6	.8	1,574.0	124.6	120.5	.4	3.2	7.7
Nuclear Regulatory Commission	118.9	21.6	9.2	44.0	5.7	21.1	2.4	12.3	-	2.8
Smithsonian Institution	100.0	100.0	-	-	-	-	-	-	-	-
Tennessee Valley Authority	89.5	63.4	-	-	1.6	-	24.5	-	-	-
US Arms Control & Disarmament Agency	2.1	.3	1.3	.1	.1	.1	-	.3	-	-
United States Information Agency	1.0	1.0	-	-	-	-	-	-	-	-

1/ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

2/ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

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Total, all agencies	69,754.4	16,643.1	31,202.7	2,142.3	11,763.5	3,702.8	2,956.7	721.0	286.4	336.0
Departments:										
Department of Agriculture, total	1,337.2	899.2	9.2	.0	415.8	-	6.5	-	2.7	3.7
Agricultural Cooperative Svc	3.1	3.1	-	-	-	-	-	-	-	-
Agricultural Marketing Svc 2/	4.3	3.3	-	-	-	-	-	-	1.0	-
Agricultural Research Svc	654.3	624.9	-	-	22.3	-	3.3	-	.2	3.6
Animal & Plant Health Inspection Svc	16.7	16.1	-	-	.5	-	-	-	-	-
Cooperative State Research Svc	404.3	19.8	5.8	-	375.3	-	2.3	-	1.1	-
Economic Research Svc	60.4	58.7	-	-	1.7	-	-	-	-	-
Federal Grain Inspection Svc	1.3	.9	-	-	.4	-	-	-	-	-
Forest Svc	177.3	160.6	.4	-	14.9	-	.9	-	.4	.1
Human Nutrition Information Svc	10.8	7.6	3.0	-	.2	-	-	-	-	-
Nat'l Agricultural Statistics Svc	3.5	3.2	-	.0	.2	-	-	-	-	-
Office of International Cooperation & Development	1.3	.1.1	-	-	.2	-	-	-	-	-
Department of Commerce, total	622.6	477.0	87.6	-	50.4	.1	2.7	.1	4.6	.1
Bureau of the Census	5.9	5.1	-	-	.8	-	-	-	-	-
Nat'l Inst of Standards & Tech	231.1	159.0	63.5	-	5.6	.1	2.6	.1	-	.0
Nat'l Oceanic & Atmospheric Admin	379.4	306.6	24.0	-	44.0	-	.1	.0	4.6	.1
Nat'l Telecomm & Information Admin	6.3	6.3	-	-	-	-	-	-	-	-
Dept of Defense, research 3/	4,526.8	1,734.6	1,486.5	21.8	1,131.1	66.1	60.7	9.5	.0	16.5
Dept of Defense, development 3/	31,628.3	6,542.1	23,056.3	292.8	427.3	491.7	211.2	437.7	.6	168.7
Department of the Army R&D	5,737.3	2,095.8	3,303.8	8.3	119.9	128.4	43.9	30.5	.0	6.7
Department of the Navy R&D	8,754.0	3,024.3	4,872.2	164.7	510.7	4.6	39.5	54.1	-	83.9
Department of the Air Force R&D	12,652.4	1,148.2	11,075.5	4.8	145.7	51.0	12.0	212.3	-	3.0
Defense agencies R&D	8,396.7	1,689.9	5,075.7	136.8	724.4	371.7	173.3	138.5	-	86.4
Test & Evaluation, Deputy Under Secretary Defense R&D	287.3	108.7	173.2	-	2.8	2.0	-	-	.6	-
Director, Operational Test and Evaluation R&D	13.0	1.1	-	-	-	-	-	11.8	-	-
Health Affairs, Assistant Secretary of Defense for R&D	314.4	208.7	42.3	-	55.0	-	3.2	-	-	5.2
Department of Education	210.4	13.3	10.4	-	119.4	-	45.6	-	21.6	.1
Department of Energy	6,731.4	567.1	1,241.6	1,759.3	576.2	2,202.5	163.6	215.8	3.5	1.8
Dept of Health & Human Svcs, total	11,142.7	2,360.5	452.1	20.8	6,284.0	35.2	1,718.8	25.5	187.0	58.8
Admin on Aging 4/	19.6	.6	-	-	2.1	-	9.1	-	7.8	-
Admin for Children and Families 4/	142.2	1.7	2.3	-	12.8	-	85.3	-	40.1	-
Agency for Health Care Policy & Research 5/	73.9	17.0	7.4	-	38.4	-	9.9	-	1.2	-
Alcohol, Drug Abuse, & Mental Health Admin	1,680.4	443.4	18.7	-	979.9	1.5	167.7	-	60.4	8.9
Centers for Disease Control	118.3	59.5	1.0	-	33.6	-	24.0	-	-	.2
Food & Drug Admin	143.3	97.8	15.9	-	16.8	-	7.1	-	5.6	-
Health Care Financing Admin	36.0	.2	17.4	-	10.6	-	4.7	-	3.2	-
Health Resources and Svcs Admin	11.1	4.1	-	-	5.2	-	-	1.7	-	-
Nat'l Institutes of Health	8,888.1	1,720.1	384.2	20.8	5,181.2	33.8	1,409.3	23.8	65.4	49.7
Office of Asst Secretary for Health	4.4	3.0	-	-	1.1	-	.3	-	-	-
Office of the Secretary	5.2	1.0	1.0	-	1.5	-	1.2	-	.5	-
Social Security Admin	20.2	12.0	4.3	-	.8	-	.1	-	2.9	.1
Dept of Housing & Urban Development	36.6	16.9	15.5	-	.2	-	4.0	-	-	-

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Agency and subdivision	Total	Intra-mural 1/	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Department of the Interior, total	541.4	482.0	13.1	.0	40.2	-	1.2	-	3.0	2.0
Bureau of Land Management	16.2	6.7	-	-	9.5	-	-	-	-	-
Bureau of Mines	74.7	74.7	-	-	-	-	-	-	-	-
Bureau of Reclamation	9.3	8.6	-	-	.7	-	-	-	-	-
Geological Survey	325.5	299.1	10.2	-	12.3	-	.9	-	3.0	-
Minerals Management Svc	3.7	.9	.3	.0	.4	-	-	-	-	2.0
Nat'l Park Svc	29.5	20.3	-	-	9.0	-	.3	-	-	-
Office of the Secretary	2.8	.3	2.5	-	-	-	-	-	-	-
Office of Surface Mining Reclamation & Enforcement	.4	.0	-	-	.4	-	-	-	-	-
US Fish & Wildlife Svc	79.3	71.4	-	-	7.9	-	-	-	-	-
Department of Justice, total	55.4	28.9	6.3	.5	4.2	-	9.7	-	5.7	-
Bureau of Prisons 6/	5.6	2.0	.2	-	-	-	-	-	3.5	-
Drug Enforcement Admin	1.8	.4	.9	.5	-	-	-	-	-	-
Federal Bureau of Investigation	24.3	24.3	-	-	-	-	-	-	-	-
Immigration & Naturalization Svc	.4	.0	.4	-	-	-	-	-	-	-
Office of Justice Programs	23.3	2.3	4.9	-	4.2	-	9.7	-	2.2	-
Department of Labor, total	44.1	14.7	16.5	-	2.8	-	3.5	-	6.5	-
Bureau of Labor Statistics	8.4	8.4	-	-	-	-	-	-	-	-
Employment and Training Admin	16.8	1.7	5.8	-	2.0	-	.8	-	6.5	-
Occupational Safety & Health Admin	3.2	.4	2.8	-	-	-	-	-	-	-
Office of the Secretary	12.8	3.6	5.7	-	.8	-	2.7	-	.1	-
Pension Benefit Guaranty Corporation	.5	.1	.5	-	-	-	-	-	-	-
Pension & Welfare Benefit Admin	2.4	.6	1.8	-	-	-	-	-	-	-
Department of State	5.3	.4	.1	-	-	-	4.8	-	-	-
Department of Transportation, total	493.2	261.5	158.2	1.4	31.9	-	9.4	14.8	14.6	1.4
Coast Guard	29.5	20.9	7.9	-	.7	-	-	-	-	-
Federal Aviation Admin	253.7	205.9	26.1	-	6.7	-	.2	14.7	-	-
Federal Highway Admin	134.6	3.7	96.9	1.1	18.0	-	-	-	14.5	.4
Federal Railroad Admin	25.5	11.5	7.7	-	.1	-	6.2	-	-	-
Maritime Admin	1.7	1.0	.7	-	.1	-	-	-	-	-
Nat'l Highway Traffic Safety Admin	35.8	12.4	17.3	-	2.0	-	3.0	-	.1	1.0
Office of the Secretary	4.6	3.3	1.3	-	-	-	-	.1	-	-
Research & Special Programs Admin	2.7	1.8	.3	.3	.2	-	-	-	-	-
Federal Transit Admin 7/	5.1	1.0	-	-	4.1	-	-	-	-	-
Department of the Treasury, total	34.6	18.9	15.4	-	-	.3	-	-	-	-
Bureau of Engraving and Printing	1.3	1.3	-	-	-	-	-	-	-	-
Financial Crimes Enforcement Network	2.1	1.8	-	-	-	.3	-	-	-	-
Internal Revenue Svc	17.9	11.9	5.9	-	-	-	-	-	-	-
Office of Protective Research	.6	.3	.3	-	-	-	-	-	-	-
Office of Thrift Supervision 8/	3.2	3.2	-	-	-	-	-	-	-	-
United States Customs Svc	8.9	.3	8.6	-	-	-	-	-	-	-
United States Mint	.6	.1	.5	-	-	-	-	-	-	-
Department of Veterans Affairs	242.0	239.5	-	-	2.6	-	-	-	-	-

See explanatory information, if any, and SOURCE at end of table.

Table 9. Federal obligations for total research and development, by agency and performer: fiscal year 1993 (estimates)

[Dollars in millions]

Agency and subdivision	Total	Intra-mural 1/	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Other agencies:										
Advisory Commission on Intergovernmental Relations	1.5	1.5	-	-	-	-	-	-	-	-
Appalachian Regional Commission	.9	.1	.6	-	.1	-	-	-	.2	-
Consumer Product Safety Commission	1.5	1.2	.3	-	-	-	-	-	-	-
Environmental Protection Agency	519.7	116.3	214.3	-	123.3	.1	38.2	-	27.5	-
Federal Communications Commission	1.6	1.6	-	-	-	-	-	-	-	-
Federal Trade Commission	.5	.5	-	-	-	-	-	-	-	-
International Trade Commission	12.5	12.5	-	-	-	-	-	-	-	-
Library of Congress	10.5	10.5	-	-	-	-	-	-	-	-
Nat'l Aeronautics & Space Admin	8,628.7	2,646.0	4,287.7	-	675.0	749.5	252.3	1.9	4.6	11.7
Nat'l Archives & Records Admin	.3	.2	-	-	-	.1	-	-	-	-
Nat'l Science Foundation	2,246.9	15.6	101.9	.8	1,837.6	135.0	142.9	.4	4.4	8.4
Nuclear Regulatory Commission	127.7	22.6	12.6	44.7	5.9	22.1	1.8	15.1	-	2.9
Smithsonian Institution	118.0	118.0	-	-	-	-	-	-	-	-
Tennessee Valley Authority	56.0	30.9	-	-	.5	-	24.6	-	-	-
US Arms Control & Disarmament Agency	1.0	.2	.6	.1	.0	-	-	.1	-	-
United States Information Agency	.6	.6	-	-	-	-	-	-	-	-

1/ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

2/ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

3/ Beginning with Volume XL, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

4/ In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging.

5/ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.

6/ Formerly listed as Federal Prison System

7/ Name changed from Urban Mass Transit Administration on December 18, 1991

8/ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs= Federally funded research and development centers
- = amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1991, 1992, and 1993

Table 10. Federal obligations for research, by agency and field of science and engineering: fiscal year 1991

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	23,968,377	9,621,981	482,400	4,235,336	2,149,783	903,705	4,944,471	727,290	903,411
Departments:									
Department of Agriculture, total	1,175,465	914,171	323	80,439	15,680	13,358	43,527	107,967	0
Agricultural Cooperative Svc	2,814	0	0	0	0	0	0	2,814	0
Agricultural Marketing Svc 1/	3,716	3,716	0	0	0	0	0	0	0
Agricultural Research Svc	550,799	489,261	0	49,588	3,380	1,587	6,983	0	0
Cooperative State Research Svc	376,809	297,936	0	18,528	845	0	19,644	39,856	0
Economic Research Svc	54,370	0	0	0	0	0	0	54,370	0
Federal Grain Inspection Svc	650	650	0	0	0	0	0	0	0
Forest Svc	170,200	109,745	323	12,323	11,455	8,527	16,900	10,927	0
Human Nutrition Information Svc	9,899	9,899	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,244	0	0	0	0	3,244	0	0	0
Office of International Cooperation & Development	2,964	2,964	0	0	0	0	0	0	0
Department of Commerce, total	449,706	68,242	838	69,000	184,865	28,344	65,562	12,050	20,805
Bureau of the Census	4,766	0	666	0	0	3,445	0	597	58
Economic Development Admin	1,381	0	0	0	0	0	0	1,381	0
Nat'l Inst of Standards & Tech	124,349	0	0	53,595	461	14,516	55,514	263	0
Nat'l Oceanic & Atmospheric Admin	315,635	68,242	172	15,405	184,404	10,383	6,473	9,809	20,747
Nat'l Telecomm & Information Admin	3,575	0	0	0	0	0	3,575	0	0
Department of Defense, total	3,717,908	304,812	97,328	574,706	262,666	380,536	1,938,019	2,598	157,243
Department of the Army	860,504	165,538	40,505	119,152	25,442	48,958	430,275	1,774	28,860
Department of the Navy	874,000	44,998	30,301	206,100	126,471	55,019	403,356	0	7,755
Department of the Air Force	830,400	66,781	22,889	104,420	64,619	51,138	498,153	0	22,400
Defense agencies	1,153,004	27,495	3,633	145,034	46,134	225,421	606,235	824	98,228
Department of Education	131,666	16,883	4,961	0	0	1,804	5,412	102,606	0
Department of Energy	3,273,630	285,359	0	1,837,775	238,469	142,703	723,603	0	45,721
Dept of Health & Human Svcs, total	8,162,487	6,805,987	344,105	142,276	0	18,225	76,330	318,881	456,683
Admin on Aging 2/	2,854	0	0	0	0	0	0	2,854	0
Admin for Children and Families 2/	13,500	0	0	0	0	0	0	13,500	0
Agency for Health Care Policy & Research 3/	93,041	0	0	0	0	0	0	93,041	0
Alcohol, Drug Abuse, & Mental Health Admin	922,973	554,655	236,515	11,620	0	2,084	674	89,678	27,747
Centers for Disease Control	113,372	113,372	0	0	0	0	0	0	0
Food & Drug Admin	125,020	125,020	0	0	0	0	0	0	0
Health Care Financing Admin	69,075	0	0	0	0	0	0	69,075	0
Health Resources and Svcs Admin	11,040	11,040	0	0	0	0	0	0	0
Nat'l Institutes of Health	6,783,011	5,992,286	107,590	130,656	0	16,141	75,656	31,746	428,936
Office of Asst Secy for Health	9,614	9,614	0	0	0	0	0	0	0
Office of the Secretary	8,811	0	0	0	0	0	0	8,811	0
Social Security Admin	10,176	0	0	0	0	0	0	10,176	0
Dept of Housing & Urban Development	9,391	0	0	0	187	199	135	6,578	2,292

See explanatory information, if any, and SOURCE at end of table.

Table 10. Federal obligations for research, by agency and field of science and engineering: fiscal year 1991

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	553,396	100,879	0	35,677	300,081	15,031	97,462	4,211	55
Bureau of Land Management	5,942	4,845	0	0	1,097	0	0	0	0
Bureau of Mines	98,992	0	0	0	16,195	0	82,797	0	0
Bureau of Reclamation	7,800	1,882	0	2,000	239	0	3,624	0	55
Geological Survey	338,361	2,063	0	33,677	279,084	14,681	8,355	501	0
Minerals Management Svc	2,686	0	0	0	0	0	2,686	0	0
Nat'l Park Svc	27,474	20,600	0	0	2,814	350	0	3,710	0
Office of the Secretary	100	0	0	0	100	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	1,041	489	0	0	552	0	0	0	0
US Fish & Wildlife Svc	71,000	71,000	0	0	0	0	0	0	0
Department of Justice, total	21,075	442	863	0	0	1,050	1,300	14,529	2,891
Bureau of Prisons 4/	1,900	0	400	0	0	0	0	1,500	0
Drug Enforcement Admin	900	0	0	0	0	0	900	0	0
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	17,875	442	463	0	0	1,050	0	13,029	2,891
Department of Labor, total	24,327	0	0	0	0	0	0	24,327	0
Bureau of Labor Statistics	7,500	0	0	0	0	0	0	7,500	0
Employment and Training Admin	6,600	0	0	0	0	0	0	6,600	0
Occupational Safety & Health Admin	2,603	0	0	0	0	0	0	2,603	0
Office of the Secretary	4,729	0	0	0	0	0	0	4,729	0
Pension Benefit Guaranty Corporation	355	0	0	0	0	0	0	355	0
Pension & Welfare Benefit Admin	2,540	0	0	0	0	0	0	2,540	0
Department of State	5,854	0	0	0	0	0	0	5,854	0
Department of Transportation, total	114,624	4,160	2,658	2,788	2,421	16,327	78,932	6,619	719
Coast Guard	6,384	0	557	0	803	1,703	3,321	0	0
Federal Aviation Admin	23,963	2,505	2,101	0	0	8,971	10,386	0	0
Federal Highway Admin	46,056	0	0	1,796	1,618	2,238	39,738	666	0
Federal Railroad Admin	13,193	0	0	792	0	0	9,763	2,638	0
Maritime Admin	1,713	0	0	0	0	0	1,713	0	0
Nat'l Highway Traffic Safety Admin	21,368	1,655	0	0	0	2,980	13,454	3,279	0
Office of the Secretary	586	0	0	200	0	0	350	36	0
Research & Special Programs Admin	1,361	0	0	0	0	435	207	0	719
Department of the Treasury, total	24,136	140	266	3,219	0	11,178	0	9,333	0
Bureau of Engraving and Printing	2,719	0	0	2,719	0	0	0	0	0
Internal Revenue Svc	17,521	0	0	0	0	11,178	0	6,343	0
Office of Protective Research	406	140	266	0	0	0	0	0	0
Office of Thrift Supervision 5/	2,990	0	0	0	0	0	0	2,990	0
United States Customs Svc	500	0	0	500	0	0	0	0	0
Department of Veterans Affairs	193,800	177,092	16,544	0	0	0	164	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 10. Federal obligations for research, by agency and field of science and engineering: fiscal year 1991

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,663	0	0	0	0	0	0	1,663	0
Agency for International Development	357,371	304,539	0	0	0	4,112	906	24,342	23,472
Appalachian Regional Commission	742	0	0	0	0	0	0	742	0
Consumer Product Safety Commission	883	0	0	178	0	0	705	0	0
Environmental Protection Agency	353,139	156,122	1,235	52,119	76,420	4,480	60,922	0	1,841
Federal Communications Commission	1,442	0	0	0	0	75	928	439	0
Federal Trade Commission	957	0	0	0	0	0	0	957	0
International Trade Commission	9,885	0	0	0	0	0	0	9,885	0
Library of Congress	1,704	0	0	0	0	0	0	0	1,704
Nat'l Aeronautics & Space Admin	3,371,162	174,[illegible]4	11,366	939,726	667,739	79,932	1,477,950	126	19,779
Nat'l Archives & Records Admin	611	0	0	541	0	70	0	0	0
Nat'l Science Foundation	1,785,223	269,308	1,913	467,150	393,317	186,281	262,669	40,366	164,219
Nuclear Regulatory Commission	108,800	0	0	0	0	0	108,800	0	0
Smithsonian Institution	97,999	35,484	0	22,786	7,188	0	0	32,541	0
Tennessee Valley Authority	18,841	3,817	0	6,956	750	0	850	481	5,987
US Arms Control & Disarmament Agency	390	0	0	0	0	0	195	195	0
United States Information Agency	100	0	0	0	0	0	100	0	0

1/ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

2/ In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging.

3/ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.

4/ Formerly listed as Federal Prison System

5/ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1991, 1992, and 1993

Table 11. Federal obligations for research, by agency and field of science and engineering: fiscal year 1992 (estimates)

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	26,195,449	10,588,803	521,251	4,533,696	2,359,758	1,153,879	5,487,711	790,181	760,170
Departments:									
Department of Agriculture, total	1,272,416	993,152	347	86,714	16,563	14,160	45,921	115,559	0
Agricultural Cooperative Svc	3,518	0	0	0	0	0	0	3,518	0
Agricultural Marketing Svc 1/	4,074	4,074	0	0	0	0	0	0	0
Agricultural Research Svc	586,906	522,152	0	53,462	3,369	1,569	6,354	0	0
Cooperative State Research Svc	419,418	335,571	0	20,003	878	0	21,395	41,571	0
Economic Research Svc	58,720	0	0	0	0	0	0	58,720	0
Federal Grain Inspection Svc	1,036	1,036	0	0	0	0	0	0	0
Forest Svc	183,000	117,998	347	13,249	12,316	9,168	18,172	11,750	0
Human Nutrition Information Svc	10,788	10,788	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,423	0	0	0	0	3,423	0	0	0
Office of International Cooperation & Development	1,533	1,533	0	0	0	0	0	0	0
Department of Commerce, total	530,635	85,872	640	83,309	201,127	36,374	88,049	12,151	23,113
Bureau of the Census	4,024	0	483	0	0	2,771	0	703	67
Economic Development Admin	500	0	0	0	0	0	0	500	0
Nat'l Inst of Standards & Tech	167,533	0	0	67,303	467	22,210	77,312	241	0
Nat'l Oceanic & Atmospheric Admin	354,627	85,872	157	16,006	200,660	11,393	6,786	10,707	23,046
Nat'l Telecomm & Information Admin	3,951	0	0	0	0	0	3,951	0	0
Department of Defense, total	4,097,993	333,759	95,366	599,028	281,812	546,200	2,088,605	1,493	151,730
Department of the Army	880,739	170,442	36,317	124,647	33,266	49,891	447,619	1,493	17,064
Department of the Navy	895,000	46,387	30,663	208,171	132,415	55,257	414,766	0	7,341
Department of the Air Force	804,442	64,990	23,186	104,791	63,700	50,101	497,674	0	0
Defense agencies	1,517,812	51,940	5,200	161,419	52,431	390,951	728,546	0	127,325
Department of Education	149,589	19,751	5,784	0	0	1,578	6,310	116,166	0
Department of Energy	3,599,373	257,383	0	1,931,611	280,610	195,221	865,127	0	69,421
Dept of Health & Human Svcs, total	8,899,914	7,611,421	377,648	151,899	0	20,873	87,960	357,531	292,582
Admin on Aging 2/	2,860	0	0	0	0	0	0	2,860	0
Admin for Children and Families 2/	14,400	0	0	0	0	0	0	14,400	0
Agency for Health Care Policy & Research 3/	97,836	0	0	0	0	0	0	97,836	0
Alcohol, Drug Abuse, & Mental Health Admin	983,103	594,705	253,563	11,845	0	2,262	744	91,680	28,304
Centers for Disease Control	117,400	117,400	0	0	0	0	0	0	0
Food & Drug Admin	137,706	137,706	0	0	0	0	0	0	0
Health Care Financing Admin	78,380	0	0	0	0	0	0	78,380	0
Health Resources and Svcs Admin	11,179	11,179	0	0	0	0	0	0	0
Nat'l Institutes of Health	7,413,400	6,742,501	124,085	140,054	0	18,611	87,216	36,655	264,278
Office of Asst Secy for Health	7,930	7,930	0	0	0	0	0	0	0
Office of the Secretary	5,012	0	0	0	0	0	0	5,012	0
Social Security Admin	30,708	0	0	0	0	0	0	30,708	0
Dept of Housing & Urban Development	10,366	0	0	0	369	90	581	7,251	2,075

See explanatory information, if any, and SOURCE at end of table.

Table 11. Federal obligations for research, by agency and field of science and engineering: fiscal year 1992 (estimates)

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	566,725	101,692	0	37,065	306,092	15,351	102,466	4,059	0
Bureau of Land Management	6,286	4,605	0	0	1,572	0	0	109	0
Bureau of Mines	102,930	0	0	0	18,051	0	84,879	0	0
Bureau of Reclamation	10,700	3,220	0	2,000	0	0	5,480	0	0
Geological Survey	344,670	2,249	0	35,065	283,433	15,051	8,422	450	0
Minerals Management Svc	3,685	0	0	0	0	0	3,685	0	0
Nat'l Park Svc	29,000	22,500	0	0	2,700	300	0	3,500	0
Office of the Secretary	200	0	0	0	200	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	254	118	0	0	136	0	0	0	0
US Fish & Wildlife Svc	69,000	69,000	0	0	0	0	0	0	0
Department of Justice, total	21,555	700	2,350	0	0	800	700	13,902	3,103
Bureau of Prisons 4/	2,000	0	400	0	0	0	0	1,600	0
Drug Enforcement Admin	300	0	0	0	0	0	300	0	0
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	18,855	700	1,950	0	0	800	0	12,302	3,103
Department of Labor, total	25,242	0	0	0	0	0	0	25,242	0
Bureau of Labor Statistics	7,600	0	0	0	0	0	0	7,600	0
Employment and Training Admin	6,800	0	0	0	0	0	0	6,800	0
Occupational Safety & Health Admin	3,219	0	0	0	0	0	0	3,219	0
Office of the Secretary	4,691	0	0	0	0	0	0	4,691	0
Pension Benefit Guaranty Corporation	472	0	0	0	0	0	0	472	0
Pension & Welfare Benefit Admin	2,460	0	0	0	0	0	0	2,460	0
Department of State	5,300	0	0	0	0	0	0	5,300	0
Department of Transportation, total	161,614	6,136	5,717	2,846	8,791	19,193	110,017	8,795	119
Coast Guard	7,188	0	810	0	822	1,823	3,733	0	0
Federal Aviation Admin	33,793	3,481	4,907	0	0	7,943	17,462	0	0
Federal Highway Admin	66,729	0	0	1,127	7,754	5,634	51,816	398	0
Federal Railroad Admin	24,227	0	0	1,454	0	0	17,928	4,845	0
Maritime Admin	1,751	0	0	0	50	0	1,701	0	0
Nat'l Highway Traffic Safety Admin	25,774	2,655	0	0	0	3,278	16,889	2,952	0
Office of the Secretary	740	0	0	265	0	0	400	75	0
Research & Special Programs Admin	1,412	0	0	0	165	515	88	525	119
Department of the Treasury, total	24,891	160	372	3,774	0	11,178	41	9,366	0
Bureau of Engraving and Printing	3,565	0	0	3,524	0	0	41	0	0
Internal Revenue Svc	17,521	0	0	0	0	11,178	0	6,343	0
Office of Protective Research	532	160	372	0	0	0	0	0	0
Office of Thrift Supervision 5/	3,023	0	0	0	0	0	0	3,023	0
United States Customs Svc	250	0	0	250	0	0	0	0	0
Department of Veterans Affairs	213,000	195,224	17,535	0	0	0	241	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 11. Federal obligations for research, by agency and field of science and engineering: fiscal year 1992 (estimates)

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,510	0	0	0	0	0	0	1,510	0
Agency for International Development	334,711	291,543	0	0	0	2,326	233	18,383	22,226
Appalachian Regional Commission	1,900	0	0	0	0	0	0	1,900	0
Consumer Product Safety Commission	818	0	0	115	0	0	703	0	0
Environmental Protection Agency	415,210	169,024	1,556	82,357	76,051	5,510	77,813	0	2,899
Federal Communications Commission	1,594	0	0	0	0	115	1,186	293	0
Federal Trade Commission	528	0	0	0	0	0	0	528	0
International Trade Commission	11,720	0	0	0	0	0	0	11,720	0
Library of Congress	2,025	0	0	0	0	0	0	0	2,025
Nat'l Aeronautics & Space Admin	3,664,084	193,777	11,885	1,008,865	744,079	78,558	1,602,844	150	23,926
Nat'l Archives & Records Admin	260	0	0	250	0	10	0	0	0
Nat'l Science Foundation	1,936,462	290,670	2,051	512,556	436,390	206,107	286,337	44,832	157,519
Nuclear Regulatory Commission	118,898	0	0	0	0	0	118,898	0	0
Smithsonian Institution	100,000	34,219	0	26,888	7,124	0	0	31,769	0
Tennessee Valley Authority	24,108	4,320	0	6,319	750	0	2,729	558	9,432
US Arms Control & Disarmament Agency	2,058	0	0	100	0	235	0	1,723	0
United States Information Agency	950	0	0	0	0	0	950	0	0

1/ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

2/ In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging.

3/ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.

4/ Formerly listed as Federal Prison System

5/ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1991, 1992, and 1993

Table 12. Federal obligations for research, by agency and field of science and engineering: fiscal year 1993 (estimates)

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	27,899,305	11,338,202	570,594	4,789,854	2,503,218	1,212,310	5,935,286	717,710	832,131
Departments:									
Department of Agriculture, total	1,271,820	1,006,684	328	85,296	15,988	13,741	41,208	108,575	0
Agricultural Cooperative Svc	3,097	0	0	0	0	0	0	3,097	0
Agricultural Marketing Svc 1/	3,729	3,729	0	0	0	0	0	0	0
Agricultural Research Svc	611,137	543,710	0	55,669	3,507	1,635	6,616	0	0
Cooperative State Research Svc	404,273	334,769	0	17,138	872	0	17,463	34,031	0
Economic Research Svc	60,372	0	0	0	0	0	0	60,372	0
Federal Grain Inspection Svc	1,139	1,139	0	0	0	0	0	0	0
Forest Svc	172,500	111,228	328	12,489	11,609	8,642	17,129	11,075	0
Human Nutrition Information Svc	10,788	10,788	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,464	0	0	0	0	3,464	0	0	0
Office of International Cooperation & Development	1,321	1,321	0	0	0	0	0	0	0
Department of Commerce, total	533,843	71,595	581	89,882	211,673	35,109	94,914	10,286	19,803
Bureau of the Census	3,793	0	442	0	0	2,589	0	696	66
Nat'l Inst of Standards & Tech	181,653	0	0	75,161	630	22,613	82,991	258	0
Nat'l Oceanic & Atmospheric Admin	342,121	71,595	139	14,721	211,043	9,907	5,647	9,332	19,737
Nat'l Telecomm & Information Admin	6,276	0	0	0	0	0	6,276	0	0
Department of Defense, total	4,526,832	574,081	104,184	624,234	316,391	516,765	2,252,119	1,270	137,788
Department of the Army	765,372	130,203	31,421	116,318	32,051	36,631	399,010	1,270	18,468
Department of the Navy	1,090,000	51,989	37,389	250,164	160,087	65,711	510,328	0	14,332
Department of the Air Force	1,014,691	81,312	30,287	123,847	79,179	60,102	639,964	0	0
Defense agencies	1,398,697	52,505	5,087	133,905	45,074	354,321	702,817	0	104,988
Health Affairs, Assistant Secretary of Defense for	258,072	258,072	0	0	0	0	0	0	0
Department of Education	146,512	17,619	5,178	0	0	1,883	5,648	116,184	0
Department of Energy	3,620,919	247,825	0	2,011,644	296,870	204,707	789,011	0	70,862
Dept of Health & Human Svcs, total	9,308,781	8,039,052	400,068	160,931	0	22,069	93,076	283,605	309,980
Admin on Aging 2/	2,860	0	0	0	0	0	0	2,860	0
Admin for Children and Families 2/	16,000	0	0	0	0	0	0	16,000	0
Agency for Health Care Policy & Research 3/	67,948	0	0	0	0	0	0	67,948	0
Alcohol, Drug Abuse, & Mental Health Admin	1,041,857	630,709	268,852	12,533	0	2,384	793	96,966	29,620
Centers for Disease Control	118,325	118,325	0	0	0	0	0	0	0
Food & Drug Admin	143,300	143,300	0	0	0	0	0	0	0
Health Care Financing Admin	36,000	0	0	0	0	0	0	36,000	0
Health Resources and Svcs Admin	11,067	11,067	0	0	0	0	0	0	0
Nat'l Institutes of Health	7,843,500	7,132,823	131,216	148,398	0	19,685	92,283	38,735	280,360
Office of Asst Secy for Health	2,828	2,828	0	0	0	0	0	0	0
Office of the Secretary	5,224	0	0	0	0	0	0	5,224	0
Social Security Admin	19,872	0	0	0	0	0	0	19,872	0
Dept of Housing & Urban Development	13,206	0	0	0	371	199	369	10,804	1,463

See explanatory information, if any, and SOURCE at end of table.

Table 12. Federal obligations for research, by agency and field of science and engineering: fiscal year 1993 (estimates)

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	506,206	102,955	0	35,092	276,039	13,305	74,211	4,604	0
Bureau of Land Management	10,991	8,646	0	0	2,141	0	0	204	0
Bureau of Mines	70,440	0	0	0	10,391	0	60,049	0	0
Bureau of Reclamation	8,300	2,955	0	2,510	15	0	2,820	0	0
Geological Survey	313,897	1,951	0	32,582	258,295	13,005	7,664	400	0
Minerals Management Svc	3,678	0	0	0	0	0	3,678	0	0
Nat'l Park Svc	29,500	22,200	0	0	3,000	300	0	4,000	0
Office of the Secretary	2,000	0	0	0	2,000	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	400	203	0	0	197	0	0	0	0
US Fish & Wildlife Svc	67,000	67,000	0	0	0	0	0	0	0
Department of Justice, total	15,655	500	1,750	0	0	850	700	11,855	0
Bureau of Prisons 4/	2,000	0	400	0	0	0	0	1,600	0
Drug Enforcement Admin	300	0	0	0	0	0	300	0	0
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	12,955	500	1,350	0	0	850	0	10,255	0
Department of Labor, total	27,595	0	0	0	0	0	0	27,595	0
Bureau of Labor Statistics	8,400	0	0	0	0	0	0	8,400	0
Employment and Training Admin	4,000	0	0	0	0	0	0	4,000	0
Occupational Safety & Health Admin	3,219	0	0	0	0	0	0	3,219	0
Office of the Secretary	9,081	0	0	0	0	0	0	9,081	0
Pension Benefit Guaranty Corporation	535	0	0	0	0	0	0	535	0
Pension & Welfare Benefit Admin	2,360	0	0	0	0	0	0	2,360	0
Department of State	5,314	0	0	0	0	0	0	5,314	0
Department of Transportation, total	210,243	6,712	23,760	7,868	11,053	20,722	132,050	7,690	388
Coast Guard	7,375	0	698	0	819	1,970	3,888	0	0
Federal Aviation Admin	64,543	3,049	23,062	4,540	827	6,793	26,272	0	0
Federal Highway Admin	77,315	0	0	1,345	9,257	6,725	59,513	475	0
Federal Railroad Admin	21,197	0	0	1,695	0	0	16,746	2,756	0
Maritime Admin	1,734	0	0	0	50	0	1,684	0	0
Nat'l Highway Traffic Safety Admin	35,778	3,663	0	0	0	4,524	23,307	4,284	0
Office of the Secretary	763	0	0	288	0	0	400	75	0
Research & Special Programs Admin	1,538	0	0	0	100	710	240	100	388
Department of the Treasury, total	23,241	160	412	1,975	0	11,178	0	9,516	0
Bureau of Engraving and Printing	1,325	0	0	1,325	0	0	0	0	0
Internal Revenue Svc	17,521	0	0	0	0	11,178	0	6,343	0
Office of Protective Research	572	160	412	0	0	0	0	0	0
Office of Thrift Supervision 5/	3,173	0	0	0	0	0	0	3,173	0
United States Customs Svc	650	0	0	650	0	0	0	0	0
Department of Veterans Affairs	219,000	195,959	17,405	0	0	0	5,636	0	0

See explanatory information, if any, and SOURCE at end of table.

Table 12. Federal obligations for research, by agency and field of science and engineering: fiscal year 1993 (estimates)

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,481	0	0	0	0	0	0	1,481	0
Agency for International Development	347,119	295,771	0	0	0	2,842	208	14,354	33,944
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Consumer Product Safety Commission	1,090	0	0	470	0	0	620	0	0
Environmental Protection Agency	435,248	179,444	1,753	86,705	78,883	8,851	76,325	0	3,287
Federal Communications Commission	1,585	0	0	0	0	115	1,208	262	0
Federal Trade Commission	548	0	0	0	0	0	0	548	0
International Trade Commission	12,533	0	0	0	0	0	0	12,533	0
Library of Congress	2,033	0	0	0	0	0	0	0	2,033
Nat'l Aeronautics & Space Admin	4,163,234	217,413	12,775	1,085,987	781,816	107,637	1,895,350	160	62,096
Nat'l Archives & Records Admin	260	0	0	260	0	0	0	0	0
Nat'l Science Foundation	2,246,933	340,206	2,400	567,901	504,993	252,337	344,313	53,340	181,443
Nuclear Regulatory Commission	127,720	0	0	0	0	0	127,720	0	0
Smithsonian Institution	118,000	42,226	0	31,609	8,331	0	0	35,834	0
Tennessee Valley Authority	9,854	0	0	0	810	0	0	0	9,044
US Arms Control & Disarmament Agency	1,000	0	0	0	0	0	0	1,000	0
United States Information Agency	600	0	0	0	0	0	600	0	0

1/ Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

2/ In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging.

3/ In fiscal year 1991 the Agency for Health Care Policy & Research became separate from the Office of the Assistant Secretary for Health.

4/ Formerly listed as Federal Prison System

5/ In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1991, 1992, and 1993

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